

Datasheet for ABIN7554645  
**MX1 Protein (AA 1-662) (His tag)**



[Go to Product page](#)

## Overview

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Quantity:                     | 1 mg                                       |
| Target:                       | MX1                                        |
| Protein Characteristics:      | AA 1-662                                   |
| Origin:                       | Human                                      |
| Source:                       | HEK-293 Cells                              |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This MX1 protein is labelled with His tag. |

## Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Purpose:  | Custom-made recombinant MX1 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence: | <p>MVVSEVDIAK ADPAAASHPL LLNGDATVAQ KNPGSVAENN LCSQYEEKVR PCIDLIDSLR<br/> ALGVEQDLAL PAIAVIGDQS SGKSSVLEAL SGVALPRGSG IVTRCPLVLK LKKLVNEDKW<br/> RGKVSQDYE IEISDASEVE KEINKAQNAI AGEGMGISHE LITLEISSRD VPDLTLDLP<br/> GITRVAVGNG PADIGYIKT LIKKYIQRQE TISLVVPSN VDIATTEALS MAQEVDPEDG<br/> RTIGILTKPD LVDPKGTEDKV VDVVRNLVFH LKKGYMIVKC RGQEQIQDQL SLSEALQREK<br/> IFFENHPYFR DLLEEGKATV PCLAEKLTSE LITHICKSLP LLENQIKETH QRITEELQKY<br/> GVDIPEDENE KMFFLIDKVN AFNQDITALM QGEETVGEED IRLFTRLRHE FHKWSTIEN<br/> NFQEGHKILS RKIQKFENQY RGRELPGFVN YRTFETIVKQ QIKALEEPAV DMLHTVTDMV<br/> RLAFTDVSIL NFEFFNLHR TAKSKIEDIR AEQEREKEKL IRLHFQMEQI VYCQDQVYRG<br/> ALQKVREKEL EEEKKKSWD FGAFQSSSAT DSSMEEIFQH LMAYHQEASK RISSHIPLII<br/> QFFMLQTYGQ QLQKAMLQLL QDKDTYSWLL KERSDTSDDR KFLKERLARL TQARRRLAQF PG</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the</b></p> |

## Product Details

**expression system, a different complexity of the protein could make another tag necessary.**

**In case you have a special request, please contact us.**

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specificity:     | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p> |
| Purity:          | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Grade:           | custom-made                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Target:           | MX1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Name: | MX1 ( <a href="#">MX1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>Interferon-induced GTP-binding protein Mx1 (Interferon-induced protein p78) (IFI-78K) (Interferon-regulated resistance GTP-binding protein MxA) (Myxoma resistance protein 1) (Myxovirus resistance protein 1) [Cleaved into: Interferon-induced GTP-binding protein Mx1, N-terminally processed],FUNCTION: Interferon-induced dynamin-like GTPase with antiviral activity against a wide range of RNA viruses and some DNA viruses. Its target viruses include negative-stranded RNA viruses and HBV through binding and inactivation of their ribonucleocapsid. May also antagonize reoviridae and asfarviridae replication. Inhibits thogoto virus (THOV) replication by preventing the nuclear import of viral nucleocapsids. Inhibits La Crosse virus (LACV) replication by sequestering viral nucleoprotein in perinuclear complexes, preventing genome</p> |

## Target Details

amplification, budding, and egress. Inhibits influenza A virus (IAV) replication by decreasing or delaying NP synthesis and by blocking endocytic traffic of incoming virus particles. Enhances ER stress-mediated cell death after influenza virus infection. May regulate the calcium channel activity of TRPCs. {ECO:0000269|PubMed:11880649, ECO:0000269|PubMed:14687945, ECO:0000269|PubMed:14752052, ECO:0000269|PubMed:15047845, ECO:0000269|PubMed:15355513, ECO:0000269|PubMed:15757897, ECO:0000269|PubMed:16202617, ECO:0000269|PubMed:16413306, ECO:0000269|PubMed:17374778, ECO:0000269|PubMed:18668195, ECO:0000269|PubMed:19109387, ECO:0000269|PubMed:21900240, ECO:0000269|PubMed:21992152}.

Molecular Weight: 75.5 kDa

UniProt: [P20591](#)

## Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months