

Datasheet for ABIN7554637
MX2 Protein (AA 1-715) (His tag)



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Overview

Quantity:	1 mg
Target:	MX2
Protein Characteristics:	AA 1-715
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MX2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MX2 Protein expressed in mammalian cells.
Sequence:	MSKAHKWPY RRRSQFSSRK YLKKEMNSFQ QQPPFGTVP PQMMFPPNWQ GAEKDA AFLA KDFNFLT LNN QPPPGNRSQP RAMGPENNL Y SQYEQKVRPC IDLIDSLRAL GVEQDLALPA IAVIGDQSSG KSSVLEALSG VALPRGSGIV TRCPLVLK LK QQPCEAWAGR ISYRNTELEL QDPGQVEKEI HKAQNV MAGN GRGISHELIS LEITSPEVPD LTIIDLPGIT RVAVDNQPRD IGLQIKALIK KYIQRQQTIN LVVPCNVDI ATTEALSMAH EVDPEGDR TI GILTKPDLMD RGTEKSV MNV VRNLTYPLKK GYMIVKCRGQ QEITNRLSLA EATKKEITFF QTHPYFRVLL EEGSATVPRL AERLTTELIM HIQKSLPLLE GQIRESHQKA TEELRRCGAD IPSQEADKMF FLIEKIKMFN QDIEKLVEGE EVVRENETRL YNKIREDFKN WVGILATNTQ KVKNIIHEEV EKYEKQYRGK ELLGFVNYKT FEIVHQYIQ QLVEPALSML QKAMEIIQQA FINVAKKHFG EFFNLNQTVQ STIEDIKVKH TAKAENMIQL QFRMEQMVFC QDQIYSVVLK KVREEIFNPL GTPSQNMKLN SHFPSNESSV SSFTEIGIHL NAYFLET SKR LANQIPFIIQ YFMLRENGDS LQKAMMQILQ EKNRYSWLLQ EQSETATKRR ILKERIYRLT QARHALCQFS SKEIH Sequence

Product Details

without tag. The proposed Purification-Tag is based on experiences with the 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: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: MX2

Alternative Name: MX2 ([MX2 Products](#))

Background: Interferon-induced GTP-binding protein Mx2 (Interferon-regulated resistance GTP-binding protein MxB) (Myxovirus resistance protein 2) (p78-related protein),FUNCTION: Interferon-induced dynamin-like GTPase with potent antiviral activity against human immunodeficiency virus type 1 (HIV-1). Acts by targeting the viral capsid and affects the nuclear uptake and/or stability of the HIV-1 replication complex and the subsequent chromosomal integration of the proviral DNA. Exhibits antiviral activity also against simian immunodeficiency virus (SIV-mnd). May play a role in regulating nucleocytoplasmic transport and cell-cycle progression.
{ECO:0000269|PubMed:15184662, ECO:0000269|PubMed:24048477,

Target Details

ECO:0000269|PubMed:24055605, ECO:0000269|PubMed:24121441}.

Molecular Weight: 82.1 kDa

UniProt: [P20592](#)

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
