

Datasheet for ABIN7544966
USP27X Protein (AA 1-438) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	USP27X
Protein Characteristics:	AA 1-438
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP27X protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USP27X Protein expressed in mammalian cells.
Sequence:	<p>MCKDYVYDKD IEQIAKEEQG EALKLQASTS TEVSHQQCSV PGLGEKFPTW ETTKPELELL GHNPRRRRIT SSFTIGLRGL INLGNTCFMN CIVQALHTHP ILRDFFLSDR HRCEMPSPPEL CLVCEMSSLF RELYSGNPSP HVPYKLLHLV WIHARHLAGY RQQDAHEFLI AALDVLHRHC KGDDVGKAAN NPNHCNCIID QIFTGGLQSD VTCQACHGVS TTIDPCWDIS LDLPGSCTSF WPMSPGRESS VNGESHIPGI TTLTDCLRRF TRPEHLGSSA KIKCGSCQSY QESTKQLTMN KLPVVACFHF KRFEHSAKQR RKITTYISFP LELDMTPFMA SSKESRMNGQ LQLPTNSGNN ENKYSLFAVV NHQGTLES GH YTSFIRHHKD QWFKCDDAVI TKASIKDVLD SEG YLLFYHK QVLEHESEKV KEMNTQAY Sequence 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.</p>
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.

Product Details

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:

USP27X

Alternative Name:

USP27X ([USP27X Products](#))

Background:

Ubiquitin carboxyl-terminal hydrolase 27 (EC 3.4.19.12) (Deubiquitinating enzyme 27) (Ubiquitin carboxyl-terminal hydrolase 22-like) (Ubiquitin thioesterase 27) (Ubiquitin-specific-processing protease 27) (X-linked ubiquitin carboxyl-terminal hydrolase 27),FUNCTION: Deubiquitinase involved in innate antiviral immunity by mediating deubiquitination of CGAS and RIGI (PubMed:31534008, PubMed:32027733). Negatively regulates RIGI by mediating 'Lys-63'-linked deubiquitination of RIGI, inhibiting type I interferon signaling (PubMed:32027733). Also regulates 'Lys-63'-linked ubiquitination level of MDA5/IFIH1 (PubMed:32027733). Acts as a positive regulator of the cGAS-STING pathway by catalyzing 'Lys-48'-linked deubiquitination of CGAS, thereby promoting its stabilization (PubMed:31534008). Can reduce the levels of BCL2L11/BIM ubiquitination and stabilize BCL2L11 in response to the RAF-MAPK-degradation signal (By similarity). By acting on BCL2L11 levels, may counteract the anti-apoptotic effects of MAPK activity (By similarity). {ECO:0000250|UniProtKB:Q8CEG8, ECO:0000269|PubMed:31534008, ECO:0000269|PubMed:32027733}.

Target Details

Molecular Weight: 49.6 kDa

UniProt: [A6NNY8](#)

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