Datasheet for ABIN7555453

SENP2 Protein (AA 1-589) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	SENP2
Protein Characteristics:	AA 1-589
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SENP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SENP2 Protein expressed in mammalian cells.
Sequence:	MYRWLVRILG TIFRFCDRSV PPARALLKRR RSDSTLFSTV DTDEIPAKRP RLDCFIHQVK NSLYNAASLF GFPFQLTTKP MVTSACNGTR NVAPSGEVFS NSSSCELTGS GSWNNMLKLG NKSPNGISDY PKIRVTVTRD QPRRVLPSFG FTLNSEGCNR RPGGRRHSKG NPESSLMWKP QEQAVTEMIS EESGKGLRRP HCTVEEGVQK EEREKYRKLL ERLKESGHGN SVCPVTSNYH SSQRSQMDTL KTKGWGEEQN HGVKTTQFVP KQYRLVETRG PLCSLRSEKR CSKGKITDTE TMVGIRFENE SRRGYQLEPD LSEEVSARLR LGSGSNGLLR RKVSIIETKE KNCSGKERDR RTDDLLELTE DMEKEISNAL GHGPQDEILS SAFKLRITRG DIQTLKNYHW LNDEVINFYM NLLVERNKKQ GYPALHVFST FFYPKLKSGG YQAVKRWTKG VNLFEQEIIL VPIHRKVHWS LVVIDLRKKC LKYLDSMGQK GHRICEILLQ YLQDESKTKR NSDLNLLEWT HHSMKPHEIP QQLNGSDCGM FTCKYADYIS RDKPITFTQH QMPLFRKKMV WEILHQQLL **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**

Product Details

	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:	SENP2
Alternative Name:	SENP2 (SENP2 Products)
Background:	Sentrin-specific protease 2 (EC 3.4.22.-) (Axam2) (SMT3-specific isopeptidase 2) (Smt3ip2) (Sentrin/SUMO-specific protease SENP2),FUNCTION: Protease that catalyzes two essential functions in the SUMO pathway (PubMed:11896061, PubMed:12192048, PubMed:20194620, PubMed:21965678, PubMed:15296745). The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins (PubMed:15296745). The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein (PubMed:20194620, PubMed:21965678, PubMed:15296745). May down-regulate CTNNB1 levels and thereby modulate the Wnt

Target Details

	pathway (By similarity). Deconjugates SUMO2 from MTA1 (PubMed:21965678). Plays a dynamic role in adipogenesis by desumoylating and promoting the stabilization of CEBPB (PubMed:20194620). Acts as a regulator of the cGAS-STING pathway by catalyzing desumoylation of CGAS and STING1 during the late phase of viral infection (By similarity). {ECO:0000250|UniProtKB:Q91ZX6, ECO:0000269|PubMed:11896061, ECO:0000269|PubMed:12192048, ECO:0000269|PubMed:15296745, ECO:0000269|PubMed:20194620, ECO:0000269|PubMed:21965678}.
Molecular Weight:	67.9 kDa
UniProt:	Q9HC62
Pathways:	Chromatin Binding

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