

Datasheet for ABIN7555488

SENP3 Protein (AA 1-574) (His tag)



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Overview

Quantity:	1 mg
Target:	SENP3
Protein Characteristics:	AA 1-574
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SENP3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SENP3 Protein expressed in mammalian cells.
Sequence:	<p>MKETIQGTGS WGPEPPGPGI PPAYSSPRRE RLRWPPPPKP RLKSGGGFGP DPGSGTTVPA</p> <p>RRLPVPRPSF DASASEEEEE EEEEEDEDEE EEVAAWRLPP RWSQLGTSQR PRPSRPTHK</p> <p>TCSQRRRRAM RAFRMLLYSK STSLTFHWKL WGRHRGRRRG LAHPKNHLSP QQGGATPQVP</p> <p>SPCCRFDSPPR GPPPPRLGLL GALMAEDGVR GSPPVPSGPP MEEDGLRWTP KSPLDPDSGL</p> <p>LSCTLPNGFG GQSGPEGERS LAPPDASILI SNVCSIGDHV AQELFQGSGL GMAEEAERPG</p> <p>EKAGQHSPLR EEHVTCVQSI LDEFLQTYGS LIPLSTDEVV EKLEDIFQEQ FSTPSRKGLV</p> <p>LQLIQSYQRM PGNAMVRGFR VAYKRHVLTMDLGTLYGQN WLNDQVMNMY GDLVMDTVPE</p> <p>KVHFFNSFFY DKLRITKGYDG VKRWTKNVDI FNKELLIP I HLEVHWSLIS VDVRRTITY</p> <p>FDSQRTLNR CPKHIKYLQ AEAVKKDRLD FHQGWKGYFK MNVARQNNDS DCGAFVLQYC</p> <p>KHLALSQPFS FTQQDMPKLR RQIYKELCHC KLTV Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p>

of the protein could make another tag necessary. In case you have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

SENP3

Alternative Name:

SENP3 ([SENP3 Products](#))

Background:

Sentrin-specific protease 3 (EC 3.4.22.-) (SUMO-1-specific protease 3) (Sentrin/SUMO-specific protease SENP3), FUNCTION: Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates (PubMed:16608850, PubMed:32832608). Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability (PubMed:15743823). Deconjugates SUMO2 and SUMO3 from CDCA8 (PubMed:18946085). Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300 (PubMed:19680224). Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin, NPM1 (PubMed:19015314). Plays a role in the regulation of sumoylation status of ZNF148 (PubMed:18259216). Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex, the 5FMC complex is recruited to ZNF148 by

Target Details

methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes (PubMed:22872859). Deconjugates SUMO2 from KAT5 (PubMed:32832608). {ECO:0000269|PubMed:15743823, ECO:0000269|PubMed:16608850, ECO:0000269|PubMed:18259216, ECO:0000269|PubMed:18946085, ECO:0000269|PubMed:19015314, ECO:0000269|PubMed:19680224, ECO:0000269|PubMed:22872859, ECO:0000269|PubMed:32832608}.

Molecular Weight: 65.0 kDa

UniProt: [Q9H4L4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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