

Datasheet for ABIN7565020

## SENP3 Protein (AA 1-568) (His tag)



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### Overview

Quantity:	1 mg
Target:	SENP3
Protein Characteristics:	AA 1-568
Origin:	Mouse
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 WGPEPPGPGT TYSNPRRERL RWPLPPKPRL KSGGGFGPDP GSGTTVPTRR</p> <p>LPAPRPSFDA SASEEEEEEE EDEEEVAAW RLPPRWGQLG ASQRSRALRP SHRKTCSQRR</p> <p>RRAMRAFQML LYSKSTSLTF HWKLWGRHRG RRRNLAHPKN HLSPQEGGAT PQVPSPCCRF</p> <p>DSPRGLPPPR LGLLGALMAE DGMRGSPVP SGPPMEEDGL RWTPKSPLDP DSGLLSCTLP</p> <p>NGFGGLSGPE GERSLAPPDA SILISNVCSI GDHVAQELFQ SSDLGIAEEA DRTGEKAGQH</p> <p>SPLREEHVTC VQSILDEFLQ TYGSLIPLST DEVVEKLEDI FQQEFSTPSR KSLVLQLIQS</p> <p>YQRMPGNAMV RGFRVSYKRH VLTMDDLGTL YGQNWLNQV MNMYGDLVMD TVPEKVHFFN</p> <p>SFFYDKLRTK GYDGVKRWTK NVDIFNKELL LIPIHLEVHW SLISVDVRRR TITYFDSQRT</p> <p>LNRRCPKHIA KYLQAEAVKK DRLDFHQGWK GYFKMNVARQ NNDSDCGAFV LQYCKHLALS</p> <p>QPFSFTQQDM PKLRRQIYKE LCHCKLTV <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the</b></p>

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

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, Western Blot
Grade:	custom-made

Target Details

Target:	SENP3
Alternative Name:	Senp3 ( <a href="#">SENP3 Products</a> )
Background:	<p>Sentrin-specific protease 3 (EC 3.4.22.-) (SUMO-1-specific protease 3) (Sentrin/SUMO-specific protease SENP3) (Smt3-specific isopeptidase 1) (Smt3ip1),FUNCTION: Protease that releases SUMO2 and SUMO3 monomers from sumoylated substrates, but has only weak activity against SUMO1 conjugates (PubMed:11029585). Deconjugates SUMO2 from MEF2D, which increases its transcriptional activation capability (By similarity). Deconjugates SUMO2 and SUMO3 from CDCA8 (By similarity). Redox sensor that, when redistributed into nucleoplasm, can act as an effector to enhance HIF1A transcriptional activity by desumoylating EP300 (By similarity). Required for rRNA processing through deconjugation of SUMO2 and SUMO3 from nucleophosmin, NPM1 (By similarity). Plays a role in the regulation of sumoylation status of ZNF148 (By similarity). Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex, the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to</p>

## Target Details

	desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes (PubMed:22872859). Deconjugates SUMO2 from KAT5 (By similarity). {ECO:0000250 UniProtKB:Q9H4L4, ECO:0000269 PubMed:11029585, ECO:0000269 PubMed:22872859}.
Molecular Weight:	64.4 kDa
UniProt:	<a href="#">Q9EP97</a>

## 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