SENP8 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	SENP8, Recombinant Protein
Full Product Name	Recombinant Human SENP8 Protein
Product Gene Name	SENP8 recombinant protein
Product Synonym Names	DEN1; NEDP1; PRSC2; Sentrin-specific protease 8; Deneddylase-1; NEDD8-specific protease 1; Protease, cysteine 2; Sentrin/SUMO-specific protease SENP8
Sequence	MGSSHHHHHH SSGLVPRGSH MDPVVLSYMD SLLRQSDVSL LDPPSWLNDH IIGFAFEYFA NSQFHDCSDH VSFISPEVTQ FIKCTSNPAE IAMFLEPLDL PNKRVVFLAI NDNSNQAAGG THWSLLVYLQ DKNSFFHYDS HSRSNSVHAK QVAEKLEAFL GRKGDKLAFV EEKAPAQQNS YDCGMYVICN TEALCQNFFR QQTESLLQLL TPAYITKKRG EWKDLIATLA KK
Host	E Coli
Species Reactivity	Human
Form/Format	Supplied as a 0.2 muM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Purity/Purification	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
Molecular Weight	24,107 Da
OMIM	AY008293 mRNA
3D Structure	ModBase 3D Structure for Q96LD8
Endotoxin	Less than 0.1 ng/mug (1 IEU/mug) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 mug/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Applications Tested/Suitable for SENP8 recombinant protein	ELISA (EIA),Western Blot (WB), SDS-PAGE, Mass Spectrometry (MS)
Related Product Information for SENP8 recombinant protein	Recombinant Human SENP8 Protein is produced by our E Coli expression system and the target gene encoding Met1-Lys212 is expressed with a 6His tag at the N-terminus.
Other Notes	Small volumes of SENP8 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SENP8 purchase	MBS8249757 is a recombinant protein targeting SENP8. Also known as Recombinant Human SENP8 Protein. Reactive in Human. Host: E Coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SENP8. It may not necessarily be applicable to this product.

NCBI GI #	262118308
NCBI GeneID	123228

NCBI Accession #	NP_001159812.1
UniProt Primary Accession #	Q96LD8
UniProt Secondary Accession #	Q96QA4
UniProt Related Accession #	Q96LD8
GenBank Nucleotide #	NM_001166340.1
NCBI Official Full Name	sentrin-specific protease 8
NCBI Official Synonym Full Names	SUMO/sentrin peptidase family member, NEDD8 specific
NCBI Official Symbol	SENP8
NCBI Official Synonym Symbols	DEN1; NEDP1; PRSC2
UniProt Protein Name	Sentrin-specific protease 8
UniProt Synonym Protein Names	Deneddylase-1; NEDD8-specific protease 1; Protease, cysteine 2; Sentrin/SUMO-specific protease SENP8
Protein Family	Probable sentrin-specific protease
UniProt Gene Name	SENP8
UniProt Synonym Gene Names	DEN1; NEDP1; PRSC2
UniProt Entry Name	SENP8_HUMAN
NCBI Protein Information	sentrin-specific protease 8
NCBI Summary for SENP8	This gene encodes a cysteine protease that is a member of the sentrin-specific protease family. The encoded protein is involved in processing and deconjugation of the ubiquitin-like protein termed, neural precursor cell expressed developmentally downregulated 8. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]
UniProt Comments for SENP8	SENP8: Protease that catalyzes two essential functions in the NEDD8 pathway: processing of full-length NEDD8 to its mature form and deconjugation of NEDD8 from targeted proteins such as cullins or p53. Belongs to the peptidase C48 family. Protein type: EC 3.4.22.68; Protease Chromosomal Location of Human Ortholog: 15q23
Research Articles on SENP8	**1.** In endothelial dysfunction, HDAC2 levels were reciprocally regulated by ectopic expression of NEDD8 and the de-NEDDylating enzyme SENP8.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-recombinant-protein/senp8/8249757