COP9 Signalosome Complex Subunit 8 (COPS8) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	COP9 signalosome complex subunit 8 (Cops8), Recombinant Protein
Full Product Name	Recombinant Rat COP9 signalosome complex subunit 8 (Cops8)
Product Gene Name	Cops8 recombinant protein
Product Synonym Gene Name	Cops8
Sequence	PVAVMADNAF SFRKLLDQCE NQELEAPGGI ATPPVYGQLL ALYLLQNDMN NARYLWKRIP PAIKSANSEL GGIWSVGQRI WQRDFPGIYT TINAHQWSET VQPIMEALRD ATRRRAFALV SQAYTSIIAD DFAAFVGLPV EEAVKGVLEQ GWQADSTTRM VLPRKPAPGA LDVSLNRFIP LSEPAPVPPI PNEQQLARLT DYVAFLEN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,236 Da
Sequence Positions	2-209, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6P4Z9
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cops8 recombinant protein	This protein is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Other Notes	Small volumes of Cops8 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 Cops8 purchase	MBS1406675 is a recombinant protein targeting Cops8. Also known as Recombinant Rat COP9 signalosome complex subunit 8 (Cops8). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cops8. It may not necessarily be applicable to this product.

NCBI GI #	61557351
NCBI GeneID	363283
NCBI Accession #	NP_001013245.1

UniProt Primary Accession #	Q6P4Z9
UniProt Related Accession #	Q6P4Z9
GenBank Nucleotide #	NM_001013227.2
NCBI Official Full Name	COP9 signalosome complex subunit 8
NCBI Official Synonym Full Names	COP9 signalosome subunit 8
NCBI Official Symbol	Cops8
UniProt Protein Name	COP9 signalosome complex subunit 8
UniProt Synonym Protein Names	COP9 homolog; JAB1-containing signalosome subunit 8
UniProt Gene Name	Cops8
UniProt Synonym Gene Names	Csn8; SGN8; Signalosome subunit 8
NCBI Protein Information	COP9 signalosome complex subunit 8
UniProt Comments for Cops8	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IkappaBalpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively ().
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