COP9 Signalosome Complex Subunit 3 (COPS3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	COP9 signalosome complex subunit 3 (COPS3), Recombinant Protein
Full Product Name	Recombinant Human COP9 signalosome complex subunit 3 (COPS3)
Product Gene Name	COPS3 recombinant protein
Product Synonym Gene Name	COPS3
Sequence	ASALEQFVNS VRQLSAQGQM TQLCELINKS GELLAKNLSH LDTVLGALDV QEHSLGVLAV LFVKFSMPSV PDFETLFSQV QLFISTCNGE HIRYATDTFA GLCHQLTNAL VERKQPLRGI GILKQAIDKM QMNTNQLTSI HADLCQLCLL AKCFKPALPY LDVDMMDICK ENGAYDAKHF LCYYYYGGMI YTGLKNFERA LYFYEQAITT PAMAVSHIML ESYKKYILVS LILLGKVQQL PKYTSQIVGR FIKPLSNAYH ELAQVYSTNN PSELRNLVNK HSETFTRDNN MGLVKQCLSS LYKKNIQRLT KTFLTLSLQD MASRVQLSGP QEAEKYVLHM IEDGEIFASI NQKDGMVSFH DNPEKYNNPA MLHNIDQEML KCIELDERLK AMDQEITVNP QFVQKSMGSQ EDDSGNKPSS YS
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	45,727 Da
Sequence Positions	2-423, 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.
OMIM	604665
3D Structure	ModBase 3D Structure for Q9UNS2
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for COPS3 recombinant protein	This protein possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17.
Other Notes	Small volumes of COPS3 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 COPS3 purchase	MBS1437553 is a recombinant protein targeting COPS3. Also known as Recombinant Human COP9 signalosome complex subunit 3 (COPS3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COPS3. It may not necessarily be applicable to this product.

NCBI GI #	312284090

NCBI GeneID	8533
NCBI Accession #	NP_001186054.1
UniProt Primary Accession #	Q9UNS2
UniProt Secondary Accession #	O43191; Q7LDR6; B2R683; B4DY81
UniProt Related Accession #	Q9UNS2
GenBank Nucleotide #	NM_001199125.1
NCBI Official Full Name	COP9 signalosome complex subunit 3 isoform 2
NCBI Official Synonym Full Names	COP9 signalosome subunit 3
NCBI Official Symbol	COPS3
NCBI Official Synonym Symbols	CSN3; SGN3
UniProt Protein Name	COP9 signalosome complex subunit 3
UniProt Synonym Protein Names	JAB1-containing signalosome subunit 3
UniProt Gene Name	COPS3
UniProt Synonym Gene Names	CSN3; SGN3; Signalosome subunit 3
NCBI Protein Information	COP9 signalosome complex subunit 3
NCBI Summary for COPS3	The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]
UniProt Comments for COPS3	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.
Research Articles on COPS3	**1.** this study demonstrates Csn3 as an oncogene that regulates the tumorigenesis process in hepatocellular carcinoma (HCC) cells.
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