

Recombinant Full Length Human COPS5 Protein, C-Flag-tagged

Cat. No. COPS5-1043HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human COPS5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene 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. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.4 kDa
AA Sequence	MAASGSGMAQKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDHHYFKYC KISALALLKMVMHAR SGGNLEVMGLMLGKVDGETMIIMDSFALPVEGTETRVNAQA AAYEYMAAYIENAKQVGRLENAIGWYHSH PGYGCWLSGIDVSTQMLNQFQEPFV AVVIDPTRTISAGKVNLGAFRTYPKGYKPPDEGPSEYQTIPLNK IEDFGVHCKQYYAL

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EVSYFKSSLDRKLELLWNKYWVNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQL
GRGSFMLGLETHDRKSEDKLAKATRDSCKTIEAIHGLMSQVIKDKLFNQINISTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	COPS5 COP9 signalosome subunit 5 [Homo sapiens (human)]
Official Symbol	COPS5
Synonyms	CSN5; JAB1; SGN5; MOV-34
Gene ID	10987
mRNA Refseq	NM_006837.3

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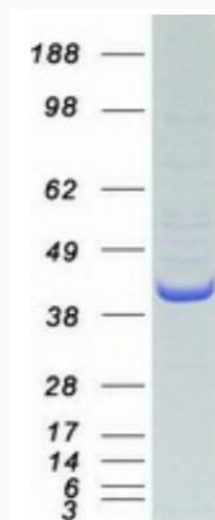
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Protein Refseq NP_006828.2

MIM 604850

UniProt ID Q92905



Coomassie blue staining of purified COPS5 protein.

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