

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human COPS5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	37.4 kDa
<b>AA Sequence</b>	MAASGSGMAQKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDHHYFKYC KISALALLKMVMHAR SGGNLEVMGLMLGKVDGETMIIMDSFALPVEGTETRVNAQA AAYEYMAAYIENAKQVGRLENAIGWYHSH PGYGCWLSGIDVSTQMLNQQFQEPFV AVVIDPTRTISAGKVN LGAFRTYPKGYKPPDEGPSEYQTIPLNK IEDFGVHCKQYYAL

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EVSYFKSSLDRKLELLWNKYWVNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQL  
 GRGSFMLGLETHDRKSEDKLAKATRDSCKTIEAIHGLMSQVIKDKLFNQINISTRTR  
 PLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

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

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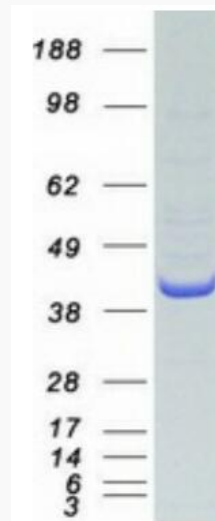
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**Protein Refseq** NP\_006828.2

**MIM** 604850

**UniProt ID** Q92905



Coomassie blue staining of purified COPS5 protein.

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