Recombinant Full Length Human COPS5 Protein, GST-tagged

Cat. No. COPS5-1959HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COPS5 full-length ORF (AAH01187.1, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	334 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	62.48 kDa
AA Sequence	MAASGSGMAQKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDHHYFKYC KISALALLKMVMHARSGGNLEVMGLMLGKVDGETMIIMDSFALPVEGTETRVNAQAA AYEYMAAYIENAKQVGRLENAIGWYHSHPGYGCWLSGIDVSTQMLNQQFQEPFVA VVIDPTRTISAGKVNLGAFRTYPKGYKPPDEGPSEYQTIPLNKIEDFGVHCKQYYALE

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	VSYFKSSLDRKLLELLWNKYWVVNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQLGR GSFMLGLETHDRKSEDKLAKATRDSCKTTIEAIHGLMSQVIKDKLFNQINIS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	COPS5 COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis) [Homo sapiens]
Official Symbol	COPS5
Synonyms	COPS5; COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis); COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 5; COP9 signalosome complex subunit 5; CSN5; JAB1; MOV 34; SGN5; 38 kDa Mov34 homolog; signalosome subunit 5; jun activation domain-binding protein 1; MOV-34; MGC3149
Gene ID	10987
mRNA Refseq	NM_006837

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Protein Refseq	NP_006828
MIM	604850
UniProt ID	Q92905

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