Recombinant Human COPS5, His-tagged

Cat. No. COPS5-29878TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 10-334 of Human JAB1 with N terminal His tag; 325 amino acids, 43kDa.
Species	Human
Source	E.coli
ProteinLength	10-334 a.a.
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 ofcyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 104 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDH HYFKYCKISALALLKMV MHARSGGNLEVMGLMLGKVDG ETMIIMDSFALPVEGTETRVNAQAAAYEYMAAYIE NAKQV GRLENAIGWYHSHPGYGCWLSGIDVSTQMLNQQFQEPF VAVVIDPTRTIS AGKVNLGAFRTYPKGYKPPDEGPSEY QTIPLNKIEDFGVHCKQYYALEVSYFKSSLD RKLLELLWN KYWVNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQLG RGSFMLGL ETHDRKSEDKLAKATRDSCKTTIEAIHGLM SQVIKDKLFNQINIS
Sequence Similarities	Belongs to the peptidase M67A family. CSN5 subfamily.Contains 1 MPN (JAB/Mov34) domain.

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;
Gene ID	10987
mRNA Refseq	NM_006837
Protein Refseq	NP_006828
MIM	604850

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Uniprot ID	Q92905
Chromosome Location	8q13
Pathway	HIF-1-alpha transcription factor network, organism-specific biosystem; Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	metal ion binding; metallopeptidase activity; peptidase activity; protein binding; transcription coactivator activity;

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