

Recombinant Human COPS2 Protein (1-443 aa), His-tagged

Cat. No. COPS2-2307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COPS2 Protein (1-443 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-443 aa
Description	Essential 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. Involved in early stage of neuronal differentiation via its interaction with NIF3L1.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	53.6 kDa

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AA Sequence	MSDMEDDFMCDDEEDYDLEYSEDSNSEPNVDLENQYYNSKALKEDDPKAALSSFQ KVLELEGEKGEWGFKALKQMIKINFKL TNFPEMMNRYKQLLTYIRSAVTRNYSEKSIN SILDYISTSKQMDLLQEFYETTLEALKDAKNDRLWFKTNTKLGKLYLEREEYGKLQKIL RQLHQSCQTDDGEDDLKKGQTQLLEIYALEIQMYTAQKNNKKLKALYEQSLHIKSAIPH PLIMGVIRECGGKMHLREGEFEKAHTDFFEAFKNYDESGSPRRTTCLKYLVLANML MKSGINPFDSQEAKPYKNDPEILAMTNLVSAYQNN DITEFEKILKTNHSNIMDDPFIRE HIEELLRNIRTQVLIKLIKPYTRIHIPFISKELNIDVADVESLLVQCILDNTIHGRIDQVNQL LELDHQKRGGARYTALDKWTNQLNSLNQAVVSKLA
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

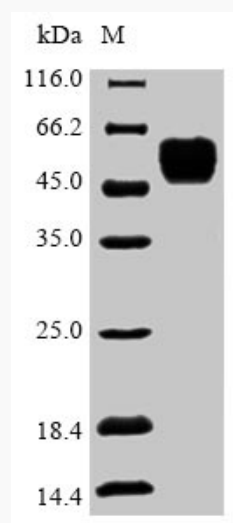
Gene Name	COPS2 COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis) [Homo sapiens]
Official Symbol	COPS2
Synonyms	COPS2; ALIEN; CSN2; TRIP15; TRIP-15; alien homolog; signalosome subunit 2; SGN2;

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Gene ID	9318
mRNA Refseq	NM_001143887
Protein Refseq	NP_001137359
MIM	604508
UniProt ID	P61201



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.