

Recombinant Human COPS2 protein, T7/His-tagged

Cat. No. COPS2-24H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COPS2 fused with with a small T7-His Tag (29aa) fusion at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	Sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGHHHHHHENLYFQGGEFSDMEDDFMCDDEEDYDLEYSEDSN SEPNVDLENQYYNSKALKEDDPKAALSSFQKVLELEGEKGEWGFKALKQMIKINFKL TNFPEMMNRYKQLLYIRSAVTRNYSEKSINSILDYISTSKQMDLLQEFYETTLEALKD AKNDRLWFKTNTKLGKLYLEREEYGKLQKILRQLHQSCQTDDGEDDLKKGTTQLLEIY ALEIQMYTAQKNNKLLKALYEQSLHIKSAIPHPLIMGVIRECGGKMHLEGEFEKAHT DFFEAFKNYDESGSPRRTTCLKYLVLANMLMKSGINPFDSQEAKPYKNDPEILAMTN LVSAYQNNDITEFEKILKTNHSNIMDDPFIREHIEELLRNIRTQVLIKLIKPYTRIHIPFISK ELNIDVADVESLLVQCILDNTIHGRIDQVNQLLELDHQKRGGARYTALDKWTNQLNSL NQAVVSKLA
Purity	> 90% by SDS-PAGE.
Applications	1. May be used for in vitro COPS2 mediated ubiquitin pathway regulation study in COP9 signalosome complex for early stage of neuronal differentiation by intracellular delivery of this protein with ProFectin Reagent.

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2. May be used for protein-protein interaction mapping.
3. May be used as specific substrate protein for kinase, ad ubiquitin (Sumo pathway) related enzyme functional screening assays.
4. Potential early diagnostic biomarker protein for gastric cancer.
5. As immunogen for specific antibody production.

Storage In Liquid. Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name COPS2 COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis) [Homo sapiens]

Official Symbol COPS2

Synonyms COPS2; COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis); COP9 signalosome complex subunit 2; ALIEN; CSN2; TRIP15; TRIP-15; alien homolog; signalosome subunit 2; TR-interacting protein 15; JAB1-containing signalosome subunit 2; thyroid receptor interacting protein 15; thyroid receptor-interacting protein 15; SGN2;

Gene ID 9318

mRNA Refseq NM_004236

Protein Refseq NP_004227

MIM 604508

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UniProt ID	P61201
Chromosome Location	15q21.2
Function	protein binding; signal transducer activity;

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