

Product datasheet for **TP303159M**

TRIP15 (COPS2) (NM_004236) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis) (COPS2), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203159 protein sequence
Red=Cloning site **Green**=Tags(s)

MSDMEDDFMCDDEEDYDLEYSEDSNSEPNVDLENQYYNSKALKEDDPKAALSSFQKVLELEGEKGEWGFK
ALKQMIKINFKLTNFPPEMMNRYKQLLYIRSAVTRNYSEKSINSILDYISTSKQMDLLQEFYETTLEALK
DAKNDRLWFKTNTKLGKLYLEREEYGKLGKILRQLHQSCQTDDGEDDLKKGTTQLLEIYALEIQMYTAQKN
NKKLKALYEQSLHIKSAIPHPLIMGVIRECGGKMHLEGEFEKAHTDFFFAFKNYDESGSPRRRTTCLKYL
VLNMLMKSGINPFDSQEAKPYKNDPEILAMTNLVSAYQNNDITEFEKILKTNHNSNIMDDPFIREHIEEL
LRNIRTQVLIKLIKPYTRIHIPFISKELNIDVADVESLLVQCILDNTIHGRIDQVNQLLELDHQKRGGAR
YTALDKWTNQLNSLNQAVVSKLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 51.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online >](#)

RefSeq: [NP_004227](#)

Locus ID: 9318

UniProt ID: [P61201](#)

RefSeq Size: 4103

Cytogenetics: 15q21.1

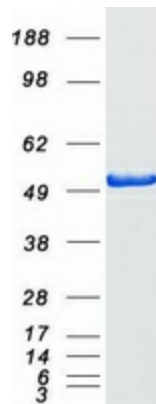
RefSeq ORF: 1329

Synonyms: ALIEN; CSN2; SGN2; TRIP15

Summary: 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, I κ B α /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.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified COPS2 protein (Cat# [TP303159]). The protein was produced from HEK293T cells transfected with COPS2 cDNA clone (Cat# [RC203159]) using MegaTran 2.0 (Cat# [TT210002]).