

## Product datasheet for **TP507016**

### Cops2 (BC023096) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse COP9 (constitutive photomorphogenic) homolog, subunit 2 (Arabidopsis thaliana) (cDNA clone MGC:18349, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR207016 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEDDFMCDDEEDYDLEYSSEDSNSEPNVDLENQYNSKALKEDDPKAALSSFQKVLELEGEKGEWGFKALK  
QMIKINFKLTNFPMMNRYKQLLTYIRSAVTRNYSEKSINSILDYISTSKQMDLLQEFYETTLEALKDAK  
NDRLWFKTNTKLGKLYLEREEYGLKQILRQLHQSCQTDDGEDDLKKGTLLEIYALEIQMYTAQKNNKK  
LKALYEQSLHIKSAIPHPLIMGVIRECGGKMHLREGEFEKAHTDFFEAFKNYDESGSPRRTTCLKYLVLA  
NMLMKSGINPFDSQEAKPYKNDPEILAMTNLV SAYQNN DITEFEKILKTNHSNIMDDPFIKEHIEELLRN  
IRTQVLIKLIKPYTRIHIPFISKELNIDVADVESLLVQCILDNTIHGRIDQVNQLLELDHQKRGGARYTA  
LDKWTNQLNSLNQAVVSKLA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 51.2 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

**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 after receiving vials.

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

**Locus ID:** 12848



[View online »](#)

UniProt ID: [P61202](#)

RefSeq Size: 1951

Cytogenetics: 2 61.76 cM

RefSeq ORF: 1320

Synonyms: Sgn2, Trip15, alien-like, Csn2

**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, IκappaBα/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]