

Recombinant Mouse Cops6 Protein, Myc/DDK-tagged

Cat. No. Cops6-2264M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length COP9 signalosome subunit 6 (Cops6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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, 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. Has some glucocorticoid receptor-responsive activity. Stabilizes COP1 through reducing COP1 auto-ubiquitination and decelerating COP1 turnover rate, hence regulates the ubiquitination of COP1 targets, including SFN.
Molecular Mass	35.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Cops6 COP9 signalosome subunit 6 [Mus musculus (house mouse)]
Official Symbol	Cops6
Synonyms	COPS6; COP9 (constitutive photomorphogenic) homolog, subunit 6 (Arabidopsis thaliana); COP9 signalosome complex subunit 6; SGN6; COP9 complex S6; signalosome subunit 6; JAB1-containing signalosome subunit 6; COP9 (constitutive photomorphogenic), subunit 6; Sgn3; VIP/MOV34
Gene ID	26893
mRNA Refseq	NM_012002
Protein Refseq	NP_036132
UniProt ID	O88545

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