

Recombinant Mouse Cops7a Protein, Myc/DDK-tagged

Cat. No. Cops7a-2265M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length COP9 signalosome subunit 7A (Cops7a), 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, JUN, I-kappa-B-alpha/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.
Molecular Mass	30.2 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.
Storage	Store at -80 centigrade after receiving vials.

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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 Cops7a COP9 signalosome subunit 7A [*Mus musculus* (house mouse)]

Official Symbol Cops7a

Synonyms Cops7a; COP9 signalosome subunit 7A; SGN7a; D6Ert35; D6Ert35e; COP9 signalosome complex subunit 7a; COP9 (constitutive photomorphogenic) homolog, subunit 7a; COP9 (constitutive photomorphogenic), subunit 7a; COP9 complex S7a; JAB1-containing signalosome subunit 7a; signalosome subunit 7a

Gene ID 26894

mRNA Refseq NM_012003

Protein Refseq NP_036133

UniProt ID Q9CZ04

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