

Product datasheet for TP503690

Cops7a (NM_012003) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse COP9 signalosome subunit 7A (Cops7a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203690 protein sequence Red =Cloning site Green =Tags(s)
	MSAEVKVTGQNQEQLLLAKSAKGAALATLIHQVLEAPGVVYVFGELLDMPNVRELAESDFASTFRLLTVF AYGTYADYLAEARNLPPLTDAQKNKLRHLSVWTLAAKVKCIPYAVLLEALALRNVRQLEDLVIEAVYADV LRGSLDQRNQRLEVDYSIGRDIQRQDLSAIAQTLQEWCVGCEVVLSGIEEQVSRANQHKEQQLGLKQQIE SEVANLKKTIKVTAAAAAATSQDPEQHLTELREPASGTNQRQPSKKASKGKGLRGSAKIWSKSN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	30.2 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.
RefSeq:	NP_036133
Locus ID:	26894
UniProt ID:	Q9CZ04
RefSeq Size:	1775



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Cytogenetics: 6 59.17 cM

RefSeq ORF: 828

Synonyms: D6Ertd35e; SGN7a

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]