

Product datasheet for TP504352

Cope (NM_021538) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coatomer protein complex, subunit epsilon (Cope), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204352 protein sequence Red =Cloning site Green =Tags(s)

MAPPVPGAVSGGSGEVDELFDVKNAFYIGSYQQCINEAQRVKLSSPEREVERDVFLYRAYLAQRKYGVWL
DEIKPSSAPELQAVRMFAEYLASENQRDSIVLELDREMSRSVDVTNTTFLMAASIYFHDQNPDAALRTL
HQGDGLECMAMTIQILLKLDRLDLARKELKMQDQDEATLTQLATAWVNLA VGGKLEAYYIFQELAD
KCSPTLLLLNGQAACHSAQGRWETAEGVLQEALDKDSGHPETLINLIVLSQHLGKPPPEVTNRYLSQLKDA
HRAHPFIKEYQAKENDFDRLAMQYAPSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	34.6 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_067513
Locus ID:	59042
UniProt ID:	O89079



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RefSeq Size: 1043

Cytogenetics: 8 B3.3

RefSeq ORF: 927

Synonyms: 1110005D17Rik; Cope1

Summary: The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. The coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated with ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).[UniProtKB/Swiss-Prot Function]