

Product datasheet for TP511294

Copb1 (NM_033370) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse coatmer protein complex, subunit beta 1 (Copb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR211294 representing NM_033370
Red=Cloning site **Green**=Tags(s)

MTAAENVCYTLINVPMDSEPPSEISLKNLDLEKGDVKSKEALKKVIIMILNGEKLPGLLMTIIRFVLP
DHTIKLLLVFWEIVPKTTPDGRLLEHMLVCDAYRKDLQHPNEFIRGSTLRFLCKLKEALLEPLMPAI
RACLEHRHSYVRRNAVLAIYTIYRNFEHLIPDAPELIHDFLVNEKDASCKRNAFMMLIHADQDRALD
YLS
TCIDQVQTFGDILQLVIVELIYKVCHANPSEARFIRCIYNLLQSSSPAVKYEAAGTLVTLSSAP
TAIKA
AAQCYIDLIIKESDNNVKLIVLDRLEVELKEHPAHERVLQDLVMDILRVLSTPDLEVRKKT
LQALDLVSS
RNVEELVIVLKKKEVIKTNNVSEHEDTDKYRQLLVRTLHSCSVRFPDMAANVIPVLM
EFLSDSNEAAAAD
LEFVREAIQRFDNRLMLIVEKMLEVFHAIKSVKIYRGALWILGEYCSTKEDIQSVMT
EVRRLS
GEIPIVE
SEIKKEAGELKPEEEITVGPVQKLVTEMGTATQSALSSSRPTKKEEDRPPLRGFLLDG
DFFVAASL
LATT
LTKIALRYVALVQEKKQNSFVAEAMLLMATILHLGKSSLPKPKITDDDVDRLSCLKVL
SECSPL
MNDI
FNKECRQSLSQMLSAKLEEEKLSQKKESEKRNVTVPDDPISFMQLTAKNEMNCKED
QFQLS
LLAAMGNT
QRKEAADPLASKLNKVTQLTGFSDPVYAEAYVHVNYQDIVLDVLLVNQTSDTLQ
NCTLE
LATLGD
LKLVE
KPSPLTLAPHDFANIKANVKVASTENGIIFGNIVYDVSGAASDRNCVLS
DIHID
IMDYI
QPATCT
DAEF
RQMWA
EFWENK
VTNTN
MTDLN
DYLQ
HILK
STNM
KCLT
PEKAL
SGYCG
FMAAN
LYARS
IFGED
ALANVS
IEKPV
HQGP
DAAVT
GHIRI
RAKSQ
GMALS
LGDK
INLS
QKKTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 107.5 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



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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_203534
Locus ID:	70349
UniProt ID:	Q9JIF7
RefSeq Size:	3315
Cytogenetics:	7 59.31 cM
RefSeq ORF:	2859
Synonyms:	2610019B04Rik
Summary:	<p>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. 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 to 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. Involved in the Golgi disassembly and reassembly processes during cell cycle. Involved in autophagy by playing a role in early endosome function. Plays a role in organellar compartmentalization of secretory compartments including endoplasmic reticulum (ER)-Golgi intermediate compartment (ERGIC), Golgi, trans-Golgi network (TGN) and recycling endosomes, and in biosynthetic transport of CAV1 (By similarity). Plays a functional role in facilitating the transport of kappa-type opioid receptor mRNAs into axons and enhances translation of these proteins in cortical neurons. Required for limiting lipid storage in lipid droplets. Involved in lipid homeostasis by regulating the presence of perilipin family members PLIN2 and PLIN3 at the lipid droplet surface and promoting the association of adipocyte triglyceride lipase (PNPLA2) with the lipid droplet surface to mediate lipolysis.[UniProtKB/Swiss-Prot Function]</p>