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Product datasheet for TP502163

Copz2 (NM_019877) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coatomer protein complex, subunit zeta 2 (Copz2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202163 protein sequence Red=Cloning site Green=Tags(s) MQRPEAWPRPHPGEGASAAQAGGAAPPTRATEQREPSLYTIKAVFILDNDGRRLLAKYYDDTFPSVKEQM VFEKNVFNKTSRTESEIAFLGGMTIVYKSSIDIFLYVVGSSSENELMLMSVLACLFDSLSHILRKNVEKR WLLENMDGAFLVLDETVDGGVILESDPQQVIQKVNFRTDDSGLTEQSVAQVLQSAKEQIKWSLLK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	22.9 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_063930
Locus ID:	56358
UniProt ID:	Q9JHH9
RefSeq Size:	937
Cytogenetics:	11 D

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RefSeq ORF: 615

Synonyms: 1110012D12Rik; zeta2-COP

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. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex (By similarity).[UniProtKB/Swiss-Prot Function]