

Product datasheet for **TP511019**

Copg2 (NM_017478) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse coatmer protein complex, subunit gamma 2 (Copg2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR211019 representing NM_017478 Red=Cloning site Green=Tags(s) |

MIKKFDKKDEESGSGSNPFQHLEKSAVLQEARIFNETPINPRRCLHILTKILYLLNQGEHFGTMEATEAF
FAMTRLFQSNQTLRRMICYLTIKEMATISEDVIIVTSSLTKDMTGKEDVYRGPALRCRITDGTMLQAV
ERYMKQAIQVSKVSSVASSALVSSLHMMKISYDVKRWINEAQEAASSDNIMVQYHALGVLYHLRKNDRLA
VSKMLNKFTKSGLSQFAYCMLIRIASRLLKESEDGHESPLDFIESCLRNKHEMVIYEAASAIHLPNC
TARELAPAVSVLQLFCSSPKPALRYAAVRTLNKVAMKHPSAVTACNLDLENLITDSNRSIATLAITLLK
TGSESSVDRLMKQISSFVSEISDEFKVVVVQAISSALCHKYPRKHSVMMTFLSNMLRDDGGFEYKKAIVDC
IISIVEENPESKEAGLAHLCEFIEDCEHTVLATKILHLLGKEGPRTPVPSKYIRFIFNRVLENEAVRAA
AVSALAKFGAQNESLLPSILVLLQRCMMDTDDEVRDRATFYLNVLQQRQMALNATYIFNGLTVSIPGMEK
ALHQYTLPESEKPFDMKSIPLAMAPVFEQKSEITLVTPKPEKLAPSRQDIFQEQLAAIPEFMNLGPLFKS
SEPVQLTEAETEFVRCVKHMFTDHIVQFDCTNLTNDQLEKVTVMPEPSDSYEVLCIPAPSLPYNQP
GICYTLVRLPDEDPTAVAGTFSCMKFTVRDCDPNTGVPDEDGYDDEYVLEDLEVTVDHIQKILKPNFA
AAWEEVGDAFEKEETFALSSTKTLEEAVNNIITFLGMQPCERSDKVPENKNSHSLYLAGVYRGGYDLLVR
SRLALADGVTMQVTVRSKERTPVDVILASVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 97.7 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. |



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| 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_059506 |
| Locus ID: | 54160 |
| UniProt ID: | Q9QXK3 |
| RefSeq Size: | 4016 |
| Cytogenetics: | 6 A3.3 |
| RefSeq ORF: | 2613 |
| Synonyms: | AW227625; gamma-2-COP |
| 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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> |