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Product datasheet for SC205245

COPG (COPG1) (NM_016128) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	COPG
Synonyms:	COPG
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016128
Insert Size:	379 bp
Insert Sequence:	>SC205245 3'UTR clone of NM_016128 The sequence shown below is from the reference sequence of NM_016128. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTAGACATCATCTTGGCATCTGTGGGATAAGAGGCCAGCCTGCATAGGACCTCATACCCTTCCCCAACA CTACCTGGAAGTTGTGCCTTCCTCATGAAACTGGCAGAAACCCCTTCCCAAGCTTCTGTATTGAAAAAC AATTAGGAATCATTGCAGATTTTTTTTTATTCTGCTCCCACCTCCCACCCGGGACTACTTGCTGGTGAC TTTTTTTTTTTTTTTTTTTTAAATAGGGGATGATTTTAGCTTGTCCTAAATCTTGCTGTCCACCCTTCCA GGAAAGGGACATTGTAAATGAATAAAACATTCTCAACTCCTCTTGAATCTATCCCCCAAGAAACCATCT TATCCCTGTAATAAATCAGCATGTATTTATTGAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_016128.4
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. 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. 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 (By similarity). [UniProtKB/Swiss-Prot Function]
Locus ID:	22820
MW:	13.6