

Product datasheet for **RG206009**

beta COP (COPB1) (NM_016451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	beta COP (COPB1) (NM_016451) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	beta COP
Synonyms:	BARMACS; COPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206009 representing NM_016451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGCGGCTGAGAACGTATGCTACACGTTAATTAACGTGCCAATGGATTGAGAACACCACATCTGAAA
 TTAGCTTAAAAAATGATCTAGAAAAAGGAGATGTAAGTCAAAGACTGAACTTTGAAGAAAGTAATCAT
 TATGATTCTGAATGGTGA AAAAATCTCTGGACTTCTGATGACCATCATTGTTTTGTGCTACCTCTTCAG
 GATCACACTATCAAGAAATTAATCTGTTATTTGGGAAATGTTCTAAAACAACTCCAGATGGGAGAC
 TTTTACATGAGATGATCCTTGTATGTGATGCATACAGAAAGGATCTTCAACATCCTAATGAATTTATTTCG
 AGGATCTACTCTCGTTTTCTTTGCAAATGAAAGAAGCAGAATTGCTAGAACCTTTAATGCCAGCTATT
 CGTGATGTTTTGGAGCATCGACACAGCTATGTTAGAAGAAATGCTGTTTTGGCCATCTATACCATCTATA
 GAAATTTTGAACATCTTATACCTGATGCTCCTGAACTGATACATGATTTTCTGGTGAATGAGAAGGATGC
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 TCTGTCATGCTAATCCATCAGAAAGAGCTCGTTTTATTGCTGCATCTATAACTTATTACAGTCATCCAG
 CCCTGCTGTA AAAATATGAAGCTGCTGGGACATTAGTGACACTCTCTAGTGACCAACTGCAATCAAGGCT
 GCTGCTCAGTGTTACATTGATTTAATTATTAAGGAGAGCGACAACAATGTA AAACTCATAGTTTTGGATC
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 TTCAATAAGGAATGCAGACAGTCCCTTTCTCACATGTTATCTGCTAAACTAGAAGAAGAGAAATTAATCCC
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 ATTGAGAAGCCAATTCACAGGGACCAGATGCTGCTGTTACCGGCCATATAAGAATTCGTGCAAAGAGCC
 AGGGAATGGCCTTAAGTCTTGAGATAAAATCAACTTGTACAGAAAGAAAAGTAGTATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206009 representing NM_016451
 Red=Cloning site Green=Tags(s)

MTAAENVCYTLINVPMDSEPPSEISLKNMLEKGDVKSKEALKKVIIMILNGEKLPGLLMTIIRFVLPLO
 DHTIKKLLLVFWEIVPKTTPDGRLLHEMILVCDAYRKDLQHPNEFIRGSTLRFLCKLKEAELLEPLMPAI
 RACLEHRHSYVRRNAVLAIYTIYRNFEHLIPDAPELIHDFLVNEKDASCKRNAFMMLIHADQDRALDYL
 TCIDQVQTFGDILQLVIVELIYKVCANPSEARARFIRCIYNLLQSSSPAVKYEAAGTLVTLSSAPTAIKA
 AAQCYIDLIIKESDNNVKLIVLDRLIELKEHPAHERVLQDLVMDILRVLSTPDLEVRKKTQLALDLVSS
 RNVEELVIVLKKEVIKTNVSEHEDTDKYRQLLVRTLHSCSVRFPDMAANVIPVLMFLSDNNEAAAADV
 LEFVREAIQRFNLRMLIVEKMLEVFHAIKSVKIYRGALWILGEYCSTKEDIQSVMTIIRSLGEIPIVE
 SEIKKEAGELKPEEEITVGPVQKLVTEMGTYATQSALSSSRPTKKEEDRPPLRGFLLDGGDFVAASLATT
 LTKIALRYVALVQEKKKQNSFVAEAMLLMATILHLGKSSLPKKPIITDDDVRISLCLKVLECSPLMNDI
 FNKECRQSLSHMLSAKLEEEKLSQKKESEKRNVTVQDDPISFMQLTAKNEMNCKEDQFQLSLLAAMGNT
 QRKEAADPLASKLNKVTQLTGFSDPVYAEAYVHVNOYDIVLDVLDVNVNQTSDTLQNCTLELATLGDCLKVE
 KPSPPLTAPHDFANIKANVKVASTENGIIFGNIVYDVSGAASDRNCVVLSDIHIDIMDYIQPATCTDAEF
 RQMWAEFEWENKVTVNTNMVDLNDYLQHILKSTNMKCLTPEKALSGYCGFMAANLYARSIFGEDALANVS
 IEKPIHQGPDAAVTGHIRIRAKSQGMALSLGDKINLSQKKTISI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

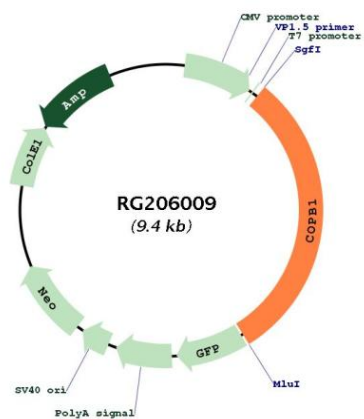


ACCN: NM_016451

ORF Size: 2859 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_016451.4
RefSeq Size:	3528 bp
RefSeq ORF:	2862 bp
Locus ID:	1315
UniProt ID:	P53618
Cytogenetics:	11p15.2
Domains:	Adaptin_N
Gene Summary:	This gene encodes a protein subunit of the coatamer complex associated with non-clathrin coated vesicles. The coatamer complex, also known as the coat protein complex 1, forms in the cytoplasm and is recruited to the Golgi by activated guanosine triphosphatases. Once at the Golgi membrane, the coatamer complex may assist in the movement of protein and lipid components back to the endoplasmic reticulum. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009]

Product images:



Circular map for RG206009