

Product datasheet for **RG211607**

COG5 (NM_006348) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG5 (NM_006348) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	COG5
Synonyms:	CDG2I; GOLTC1; GTC90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG211607 representing NM_006348
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCTGGGTGGGCGGGCGGCCGGGATTCTGCGTCACCACCTGGGCGGAGCCGTTCTGCTGCTGACG
ACATCAACCCGGCACCTGCCAACATGGAAGGTGGCGGGCGCAGCGTCGCTGTAGCTGGCCTCGGAGCTCG
AGGCTCTGGAGCGGCTGCAGCTACAGTCCGGAACTTCTGCAGGACGGGTGTATAGTACTTTTTAAAC
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CTTTCCAGAGGGCAGAGTGGTCCACACACGCTTCTCTCAGTGGCTGGATGACCATCCATCTGAAAAGGA
CAGGCTCCTCCTCATCAGGGGAGCCCTGGAAGCTTATGTTCAATCAGTGAGAAGTAGAGAAGGCAAAAGAA
TTTGCACCAGTTATCCATAATGGTTCAGCTGCTTCAAAGGCTATGTCTGCTCTTCAG

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG211607 representing NM_006348
Red=Cloning site Green=Tags(s)

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MGWVGGRRRDSASPPGRSRSAAADDINPAPANMEGGGGSVAVAGLGARGSGAAAATVRELLQDGCYSDFLN
EDFDVKTYTSQSIHQAVIAEQLAKLAQGISQLDRELHLQVVARHEDLLAQATGIESLEGVLQMMQTRIGA
LQGAVDRIKAKIVEPYNKIVARTACLARLQVACDLLRRIIRILNL SKRLQGQLQGSREITKAAQSLNEL
DYL SQGIDL SGIEVIENDLLFIARARLEVENQAKRLLEQGLETONPTQVGTALQVFYNLGLKDTITSV
DGYCATLEENINSALDIKVLTPSQSAVRGGPGRSTMPGNTAALRASLWTNMEKLMMDHIYAVCGQVQH
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FAPVYPI MVQLLQKAMSALQ
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Reconstitution Method:

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_006348.2](#), [NP_006339.2](#)

RefSeq Size: 3604 bp

RefSeq ORF: 2490 bp

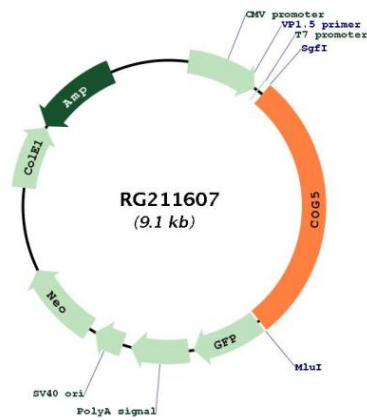
Locus ID: 10466

UniProt ID: [Q9UP83](#)

Cytogenetics: 7q22.3

Gene Summary: The protein encoded by this gene is one of eight proteins (Cog1-8) which form a Golgi-localized complex (COG) required for normal Golgi morphology and function. The encoded protein is organized with conserved oligomeric Golgi complex components 6, 7 and 8 into a sub-complex referred to as lobe B. Alternative splicing results in multiple transcript variants. Mutations in this gene result in congenital disorder of glycosylation type 2I.[provided by RefSeq, Jan 2011]

Product images:



Circular map for RG211607