

Product datasheet for **SC309612**

COG5 (NM_181733) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG5 (NM_181733) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG5
Synonyms:	CDG2I; GOLTC1; GTC90
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_181733, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTGGGTGGGCGGGCGCGCGGGATTCTGCGTCACCACTGGGCGGAGCCGTTCT
GCTGCTGACGACATCAACCCGGCACCTGCCAACATGGAAGGTGGCGGGCAGCGTCGCT
GTAGCTGGCCTCGGAGCTCGAGGCTCTGGAGCGGCTGCAGCTACAGTCCGGGAACCTCTG
CAGGACGGGTGTTATAGTGACTTTTTAAACGAAGACTTTGATGTAAGACTTATACTTCT
CAATCTATTCATCAAGCTGTAATTGCTGAACAACCTAGCAAACTTGCCCAAGGAATCAGT
CAGTTGGACAGAGAACTACACTTACAGGTTGTTGCAAGACATGAAGATTTACTGGCACA
GCAACTGGGATTGAGTCGTTGGAAGGTGTTCTTCAGATGATGCAGACGAGAATTGGGGCT
TTACAGGGAGCTGTTGATAGGATAAAAGCAAAAATTGTTGAACCATAACAATAAGATAGTT
GCCCCGACTGCACAACCTAGCAAGACTTCAGGTTGCCTGTGATTTGCTTCGGAGGATTATT
CGTATCTTGAATCTCAGTAAGAGACTCCAAGGACAACCTGCAAGGGGGAAGTAGAGAGATA
ACAAAAGCTGCTCAGAGTCTCAATGAACCTGATTATCTTTCTCAAGGAATAGATCTTTCT
GGAATAGAAGTGATAGAAAATGATCTACTTTTTATTGCAAGAGCCCGACTTGAAGTGAA
AATCAAGCTAAGCGCCTACTAGAGCAGGTTTGGAGACTCAGAATCCAACCTCAAGTCGGA
ACAGCTCTTCAGGTTTTCTATAATCTTGAACCTTGAAGGATACTATTACAGTGTGTG
GATGGATATTGTGCTACTTTAGAAGAAAATATCAACAGTGCATTAGACATAAAAGTTTTG
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GGAAATACTGCAGCTTTGCGTGCCTCATTCTGGACCAATATGGAGAACTTATGGATCAT
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CCTGTTTCTCACATTTGTTTCATTGAAGAAATAGTTAAGGATGGACAACCGGAAATTTTC
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TCTTCGATGTTTTGAAGCAGGCATTTGAAGGAGAATACCCTAAATTATTACGCTTTTAT
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TTCATACCAAAAAAGCCAGATTATGATCCAGAAAAGGCTTTGAAAGACTCACTACAACCC
TATGAGGCTGCTTATCTATCAAAATCCTTATCTCGACTCTTCGATCCTATCAACTGGTT
TTTCCCCCGGGTGGTCGTAATCCTCCTCCTCTGATGAACCTGATGGTATTATTAAGT
ATAGCAAGTGAACCTAAATGTTGCTGCTGTTGATACAAACCTCACATTAGCTGTGCAAAA
AATGTGGCAAAGACCATCCAGTTATACAGTGTAATTCAGAGCAGCTTCTCTCCACACAA
GGAGATGCAAGTCAGGTGATTGGCCTCTTACTGAAGGACAGAGAAGAAATGTGGCAGTA
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AATGCTGTGCAACCCCTTACTCACTTCTGTGGGAGATGCTATAGAGGCCATAATCATCACC
ATGCATCAAGAAGACTTTTCTGGGTCAATTATCCAGCTCAGGAAAACCTGATGTTCCCTGT
TCTCTGTACATGAAGGAGCTACAAGGTTTCATTGCCAGAGTTATGAGTGACTATTTTAA
CACTTTGAATGCTTGGATTTTGTCTTTGACAACCTGAGGCTATTGCCCAAAGAGCTGTT
GAACTTTTTATCCGCCATGCCAGTCTCATAAGACCTCTTGGTGAAGGTGGGAAAATGCGA
CTTGCTGCTGATTTTGCACAGATGGAGTTGGCTGTGGGTCCATTCTGTAGACGAGTATCT
GATTTAGGAAAGTCCTATCGGATGCTGAGATCATTAGACCTCTGCTCTTCCAGGCAAGT
GAACATGTAGCCAGTAGTCTGCATTGGGGGATGTGATTCCGTTACAGCATCATTATTCAG
TTTTTGTTCACGAGAGCACCCGCTGAACTGAAATCTCCTTTCCAGAGGGCAGAGTGGTCC
CACACACGCTTCTCTCAGTGGCTGGATGACCATCCATCTGAAAAGGACAGGCTCCTCCTC
ATCAGGGGAGCCCTGGAAGCTTATGTTCAATCAGTGAGAAGTAGAGAAGGCAAGAATTT
GCACCAGTTTATCCATAATGGTTCAGCTGCTTCAAAAGGCTATGTCTGCTCTTCAGTAA

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Restriction Sites: Please inquire

ACCN: NM_181733

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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:	<u>NM_181733.1</u> , <u>NP_859422.1</u>
RefSeq Size:	3541 bp
RefSeq ORF:	2520 bp
Locus ID:	10466
UniProt ID:	<u>Q9UP83</u>
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] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.