

Product datasheet for **SC327656**

COG5 (NM_001161520) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG5 (NM_001161520) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG5
Synonyms:	CDG2I; GOLTC1; GTC90
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001161520, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTGGTGGGCGGGCGGGCCGGGATTCTGCGTCACCACCTGGGCGGAGCCGTTCT
GCTGCTGACGACATCAACCCGGCACCTGCCAACATGGAAGGTGGCGGGCAGCGTCGCT
GTAGCTGGCCTCGGAGCTCGAGGCTCTGGAGCGGCTGCAGCTACAGTCCGGGAACCTCTG
CAGGACGGGTGTATAGTGACTTTTTAAACGAAGACTTTGATGTAAGACTTATACTTCT
CAATCTATTCATCAAGCTGTAATTGCTGAACAACCTAGCAAACTTGCCCAAGGAATCAGT
CAGTTGGACAGAGAACTACACTTACAGGTGTTGCAAGACATGAAGATTTACTGGCACAA
GCAACTGGGATTGAGTCGTTGGAAGGTGTTCTTCAAGATGATGCAGACGAGAATTGGGGCT
TTACAGGGAGCTGTTGATAGGATAAAAAGCAAAAATTGTTGAACCATAACAATAAGATAGTT
GCCCGGACTGCACAACCTAGCAAGACTTCAGGTTGCCTGTGATTTGCTTCGGAGGATTATT
CGTATCTTGAATCTCAGTAAGAGACTCCAAGGACAACCTGCAAGGGGGAAGTAGAGAGATA
ACAAAAGCTGCTCAGAGTCTCAATGAACTTGATTATCTTCTCAAGGAATAGATCTTTCT
GGAATAGAAGTGATAGAAAATGATCTACTTTTTATTGCAAGAGCCCGACTTGAAGTGAA
AATCAAGCTAAGCGCCTACTAGAGCAGGTTTGGAGACTCAGAATCCAACCTCAAGTCGGA
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GATGGATATTGTGCTACTTTAGAAGAAAATATCAACAGTGCATTAGACATAAAAAGTTTTG
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GGAAATACTGCAGCTTTGCGTGCCTCATTCTGGACCAATATGGAGAACTTATGGATCAT
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CCTGTTTTCTCACATTTGTTTCATTGAAGAAATAGTTAAGGATGGACAACCGGAAATTTTC
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TCTTCGATGTTTTTGAAGCAGGCAATTTGAAGGAGAATACCCTAAATTTACGCTTTTAT
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TTCATACCAAAAAAGCCAGATTATGATCCAGAAAAGGCTTTGAAAGACTCACTACAACCC
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AATGTGGCAAAGACCATCCAGTTATACAGTGTAATAATCAGAGCAGCTTCTCTCCACACAA
GGAGATGCAAGTCAGGTGATTGGCCTCTTACTGAAGGACAGAGAAGAAATGTGGCAGTA
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TTCCCACTGGCAGCTGAGCAAACTATAATTTACAGCTCTAAAGGCTATTATGCTCTTATG
GAAAATGCTGTGCAACCCCTACTCACTTCTGTGGGAGATGCTATAGAGGCCATAATCATC
ACCATGCATCAAGAAGACTTTTCTGGGTCAATTATCCAGCTCAGGAAAACCTGATGTTCTT
TGTTCTCTGTACATGAAGGAGCTACAAGGTTTCATTGCCAGAGTTATGAGTGACTATTTT
AAACACTTTGAATGCTTGGATTTTGTCTTTGACAACACTGAGGCTATTGCCAAAAGAGCT
GTTGAACTTTTTATCCGCCATGCCAGTCTCATAAGACCTCTTGGTGAAGGTGGGAAAATG
CGACTTGCTGCTGATTTTGCACAGATGGAGTTGGCTGTGGGTCCATTCTGTAGACGAGTA
TCTGATTTAGGAAAGTCCTATCGGATGCTGAGATCATTACAGACCTCTGCTCTTCCAGGCA
AGTGAACATGTAGCCAGTAGTCCTGCATTGGGGATGTGATTCCGTTTCAGCATCATTATT
CAGTTTTTGTTCACGAGAGCACCCGCTGAACTGAAATCTCTTTCCAGAGGGCAGAGTGG
TCCACACACGCTTCTCTCAGTGGCTGGATGACCATCCATCTGAAAAGGACAGGCTCCTC
CTCATCAGG
    
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Restriction Sites: Please inquire
ACCN: NM_001161520

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:	<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:	<u>NM_001161520.1</u> , <u>NP_001154992.1</u>
RefSeq Size:	5666 bp
RefSeq ORF:	2472 bp
Locus ID:	10466
UniProt ID:	<u>Q9UP83</u>
Cytogenetics:	7q22.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 3' UTR and lacks a portion of the 3' coding region, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus compared to 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.</p>