

Product datasheet for **SC320855**

COG1 (NM_018714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG1 (NM_018714) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG1
Synonyms:	CDG2G; LDLB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_018714.2
CATGGCCACCGCGCAACCTCACCCGCGCTGAAGCGGCTGGATCTGCGGACCCTGCGGC
TCTTTTCGAGACGCATGGAGCGGAGGAGATCCGCGGGCTGGAGCGCCAGGTTTCGGCCGA
GATCGAGCACAAAGGAGGAGCTGCGGCAGATGGTGGGCGAACGGTACC GCGACCTGAT
CGAGGCGGCCGACACCATCGGCCAGATGCGCCGCTGCGCCGTTGGGCTAGTGGACGCCGT
GAAGGCCACCGACCAGTACTGCGCCCGCTCCGCCAGGCCGCTCGGCCGCGCCCGGCC
ACCGCGGGCCAGCAGCCACAGCAGCCATCCCAGGAGAAGTTCTACAGCATGGCTGCCCA
GATCAAGTACTCTTAGAAATCCGGAGAAGATCTGGAGCTCGATGGAAGCCTCTCAGTG
TCTCCACGCCACACAGCTCTACCTGCTCTGCTGCCACCTCCACAGCCTGCTCCAGCTGGA
TTCTTCTAGTTCCCGATACAGTCCCGTCTCTCCCGTTTCTATACTCATCCGGCAGGT
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CCAAGGTGTGCTGACCAAGCTGTGGCCGAGGCCCTGTGCTCTATAATGCTTTAGAAGA
GAGTTCTCCTCGCCAAGCCCTCACAGACTTCTGCTGGCCAGAAAGGCAACTATTCAGAA
ACTTCTCAACCAGCCACACCATGGTGTGGTATCAAGGCTCAGATTTGCTCATTAGTGGA
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ACTGTTCTTGACCGATTACAGACTCTGACAAAAGAAGGCTTTGACTCCATCTCCAGTAG
CTCCAAGGAGCTTTGGTTTCAGCTTTGCAGGAACTTGAAGCAGCACCAGCAACTCCCC
TTCAAATAAGCACATCCACTTTGAGTACAACATGTCGCTTTCCTCTGGTCTGAGAGTCC
TAATGACCTGCCTCCGATGCGGCCTGGGTGAGCGTGGCAAACCGGGTCAAGTTGCCAG
TAGCGGCCTCTCCATGAAAGCACAAAGCCATCAGCCCTTGTGTACAGAACTCTGTCTGCG



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CCTGGATTCTAAGCTGAAGGTTAACTAGATGACCTCCTGGCTTACCTCCCCTCTGATGA
CTCATCACTGCCAAGGACGTTTCTCCACACAGGCCAAGAGTTCTGCCTTTGACAGATA
CGCAGATGCGGGGACCGTGCAGGAGATGCTGCGGACTCAGTCCGTGGCATGCATCAAGCA
CATCGTGGACTGCATCCGGGCAGAGCTACAGAGCATTGAAGAGGGTGTGCAAGGGCAACA
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GTAACATGGCAACACATCTGTCTCTCCCTAAATAAATACTACCACATTATTTCTTCTAAA
AAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_018714
- 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:** [NM_018714.2](#), [NP_061184.1](#)
- RefSeq Size:** 3035 bp

RefSeq ORF: 2943 bp

Locus ID: 9382

UniProt ID: [Q8WTW3](#)

Cytogenetics: 17q25.1

Protein Families: Druggable Genome

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. It is thought that this protein is required for steps in the normal medial and trans Golgi-associated processing of glycoconjugates and plays a role in the organization of the Golgi-localized complex. [provided by RefSeq, Jul 2008]