

Product datasheet for **SC326109**

COG6 (NM_001145079) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG6 (NM_001145079) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG6
Synonyms:	CDG2L; COD2; SHNS
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145079, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGAGGGCAGCGGGGAAGTGGTCGCAGTGTCTGCGACCGGGGCTGCCAACGGCCTC
AACAAATGGGGCAGGCGGGACCTCGGCGACGACCTGCAACCCGCTGTCGCGCAAGCTGCAT
AAGATCCTGGAGACGCGGCTGGACAACGACAAGGAGATGTTAGAAGCTCTCAAGGCACTT
TCAACCTTTTTTTGTTGAAAATAGTCTGCGGACTCGAAGAAATTTACGTGGAGATATTGAA
CGTAAAAGTTTAGCCATCAATGAAGAATTTGTAAGCATTTC AAGGAAGTGAAGGAGGAA
CTTGAAAAGCATAAGCGAAGATGTTCAAGCAATGAGCAACTGTTGTCAAGATATGACAAGT
CGCCTACAGGCAGCAAAGGAACAGACTCAAGATTTAATAGTAAAAACCACTAAGCTTCAA
TCTGAAAGCCAAAAATTAGAGATAAGAGCTCAAGTTGCAGATGCCTTCTTATCCAAGTTC
CAACTGACTTCTGATGAAATGAGTCTTCTCCGAGGTACAAGAGAAGGACCCATTACTGAG
GATTTTTTCAAGGCACTGGGAAGAGTAAAACAGATTCATAATGATGTCAAAGTCTCTTG
CGTACAAATCAACAAACGGCAGGTTTAGAAATTATGGAACAGATGGCCTTACTTCAAGAA
ACGGCTTATGAAAGACTTTACCGATGGGCTCAAAGTGAATGCAGAACATTGACACAAGAA
TCATGTGACGTATCTCCAGTATTGACACAGGCAATGGAAGCCCTGCAGGACAGACCTGTC
TTATATAAATATACCTTAGATGAATTTGGAACAGCCAGAAGAAGTACAGTTGTTGCGTGG
TTTATTGATGCGCTCACAGAGGGGGCCCGGAGGTACACCTAGACCAATTGAAATGCAT
TCTCATGACCCTTTGAGGTATGTAGGAGATATGTTGGCTTGGCTCCATCAAGCTACTGCT
TCTGAAAAGGAACACCTTGAAGCTCTCTTAAAGCATGTAACACACAAGGTGTTGAAGAA
AATATTTCAAGAAGTTGTTGGGCATATCACTGAAGGTGTGTGCAGGCCTCTAAAGTTTCGA
ATTGAGCAAGTAATAGTTGCTGAACCTGGGGCAGTTTTATTATATAAAATTTCTAATCTC
CTCAAATTTATACCATAACAATCAGTGGTATTGTTGGAATAGTGAACCTGCATTATTG
ACTACCATTTGAAGAAATGCATTTGCTAAGCAAAAAAATATCTTCAATAGCTTGAGTCTT
CATGCAAGTAAATTAATGGACAAGGTTGAACTCCACCACCTGATCTTGGACCAAGTTCT
GCACTAAATCAGACACTCATGTTGCTGCGTGAAGTTTTAGCATCTCACGATTCTTCAAGT
GTACCATTAGATGCTCGTCAAGCTGATTTTGTGCAGGTTTTATCATGTGTCTTGGATCCT
CTCCTACAGATGTGACTGTATCAGCCAGCAATTTAGGCACAGCTGACATGGCCACTTTC
ATGGTCAATTCATATATATGATGAAGACAACATTAGCTCTATTTGAATTCAGTACAGCA
CGTCTGGAATGCTACAGTTTCAGATCGAAGCACATTTGGACACACTTATAAATGAGCAA
GCCTCTTATGTTTTAACTAGGTTAGGCTTGAGTTACATCTATAACACTGTACAGCAACAT
AAACCTGAACAGGCTCTTTAGCTAATATGCCAACCTAGATTCTGTGACTGAAGGCT
GCAATGGTTCAAGTTTATCGTTATCTGTGAGCCCCAGACAACCTATTGATACCACAGCTG
AACTTTCTTCAAGTGCCACAGTGAAGCGTCCACCCAACGGCCCA

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- Restriction Sites:** Please inquire
- ACCN:** NM_001145079
- 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_001145079.1](#), [NP_001138551.1](#)

RefSeq Size: 5257 bp

RefSeq ORF: 1848 bp

Locus ID: 57511

UniProt ID: [Q9Y2V7](#)

Cytogenetics: 13q14.11

Gene Summary: This gene encodes a subunit of the conserved oligomeric Golgi complex that is required for maintaining normal structure and activity of the Golgi apparatus. The encoded protein is organized with conserved oligomeric Golgi complex components 5, 7 and 8 into a sub-complex referred to as lobe B. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2009]
Transcript Variant: This variant (2) uses an alternate 3' most exon, compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1.