

Product datasheet for **SC107538**

COG6 (NM_020751) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG6 (NM_020751) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG6
Synonyms:	CDG2L; COD2; SHNS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107538 sequence for NM_020751 edited (data generated by NextGen Sequencing)

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ATGGCAGAGGGCAGCGGGGAAGTGGTCGCAGTGTCTGCGACCGGGGCTGCCAACGGCCTC
AACAAATGGGGCAGGCGGGACCTCGGCGACGACCTGCAACCCGCTGTCGCGCAAGCTGCAT
AAGATCCTGGAGACGCGGCTGGACAACGACAAGGAGATGTTAGAAGCTCTCAAGGCACTT
TCAACCTTTTTTTGTTGAAAATAGTCTGCGGACTCGAAGAAATTTACGTGGAGATATTGAA
CGTAAAAGCTTTAGCCATCAATGAAGAATTTGTAAGCATTTC AAGGAAGTGAAGGAGGAA
CTTGAAAAGCATAAGCGAAGATGTTCAAGCAATGAGCAACTGTTGTCAAGATATGACAAGT
CGCCTACAGGCAGCAAAGGAACAGACTCAAGATTTAATAGTAAAAACCACTAAGCTTCAA
TCTGAAAGCCAAAAATTAGAGATAAGAGCTCAAGTTGCAGATGCCTTCTTATCCAAGTTC
CAACTGACTTCTGATGAAATGAGTCTTCTCCGAGGTACAAGAGAAGGACCCATTACTGAG
GATTTTTTCAAGGCACTGGGAAGAGTAAAACAGATTTCATAATGATGTCAAAGTCTCTTG
CGTACAAATCAACAAACGGCAGGTTTAGAAATATGGAACAGATGGCCTTACTTCAAGAA
ACGGCTTATGAAAGACTTTACCGATGGGCTCAAAGTGAATGCAGAACATTGACACAAGAA
TCATGTGACGTATCTCCAGTATTGACACAGGCAATGGAAGCCCTGCAGGACAGACCTGTC
TTATATAAATATACCTTAGATGAATTTGGAACAGCCAGAAGAAGTACAGTTGTTCTGTTGA
TTTATTGATGCGCTCACAAAGAGGGGGCCCGGAGGTACACCTAGACCAATTGAAATGCAT
TCTCATGACCCTTTGAGGTATGTAGGAGATATGTTGGCTTGGCTCCATCAAGCTACTGCT
TCTGAAAAGGAACACCTTGAAGCTCTCTTAAAGCATGTAACACACAAGGTGTTGAAGAA
AATATTTCAAGAAGTTGTTGGGCATATCACTGAAGGTGTGTGCAGGCTCTAAAGTTTCGA
ATTGAGCAAGTAATAGTTGCTGAACCTGGGGCAGTTTTATTATATAAAATTTCTAATCTC
CTCAAATTTTATACCATAACAATCAGTGGTATTGTTGGAATAGTGAACCTGCATTATTG
ACTACCATTTGAAGAAATGCATTTGCTAAGCAAAAAAATATTCTTCAATAGCTTGAGTCTT
CATGCAAGTAAATTAATGGACAAGGTTGAACTCCACCACCTGATCTTGGACCAAGTTCT
GCACTAAATCAGACACTCATGTTGCTGCGTGAAGTTTTAGCATCTCACGATTCTTCAAGT
GTACCATTAGATGCTCGTCAAGCTGATTTTGTGCAGGTTTTATCATGTGTCTTGGATCCT
CTCCTACAGATGTGACTGTATCAGCCAGCAATTTAGGCACAGCTGACATGGCCACTTTC
ATGGTCAATTCATATATATGATGAAGACAACATTAGCTCTATTTGAATTCAGTACAGAG
CGTCTGGAATGTACAGTTTCAGATCGAAGCACATTTGGACACACTTATAAATGAGCAA
GCCTCTTATGTTTTAACTAGGTTAGGCTTGAGTTACATCTATAACACTGTACAGCAACAT
AAACCTGAACAGGCTCTTTAGCTAATATGCCAACCTAGATTCTGTGACTGAAGGCT
GCAATGGTTCAAGTTTATCGTTATCTGTGAGCCCGAGACAACCTATTGATACCACAGCTG
AACTTTCTTAAAGTGCCACAGTAAAAGAGCAGATCGTAAAAAATCTACAGAATTAGTC
TGCAGAGCCTATGGTGAAGTGTATGCAGCCGTGATGAATCCAATCAATGAATACAAAGAT
CCAGAGAACATTCTTACCGATCGCCGACAGCAAGTGCAGACGCTTCTTTCCTGA
    
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Clone variation with respect to NM_020751.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_020751 unedited
GGCTCCGTGGTCCCTGCCTGGCTGAGGTGGCAGCAGGGGGCGGGNACGCGCAGCGCTATG
GCAGAGGGCAGCGGGGAAGTGGTCGCAGTGTCTGCGACCGGGGCTGCCAACGGCCTCAAC
AATGGGGCAGGCGGGACCTCGGCGACGACCTGCAACCCGCTGTCGCGCAAGCTGCATAAG
ATCCTGGAGACGCGGCTGGACAACGACAAGGAGATGTTAGAAGCTCTCAAGGCACTTTCA
ACCTTTTTTTGTTGAAAATAGTCTGCGGACTCGAAGAAATTTACGTGGAGATATTGAACGT
AAAAGTTTAGCCATCAATGAAGAATTTGTAAGCATTTC AAGGAAGTGAAGGAGGAACTT
GAAAGCATAAAGCGAAGATGTTCAAGCAATGAGCAACTGTTGTCAAGATATGACAAGTCCG
CTACAGGCAGCAAAGGAACAGACTCAAGATTTAATAGTAAAAACCACTAAGCTTCAATCT
GAAAGCCAAAAATTAGAGATAAGAGCTCAAGTTGCAGATGCCTTCTTATCCAAGTTCCAA
CTGACTTCTGATGAAATGAGTCTTCTCCGAGGTACAAGAGAAGGACCCATTACTGGAGG
ATTTTTTCAAGGCACTGGGGAAGAGTAAAACAGATTCTTAAATGATGTCAAAGNTCNTTTT
CGGTACAAATCAACAACGGGCAGGGTTTTAAAAATATGGNACAGATGGGCCTTACTTCAA
    
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020751 unedited ATTGGNGATGGCACTTCCAGNCCAGNANAGCACTGGGGNAGGGTCACAGGGATGCCACC CGGGTTCTGTTCCAGAAAAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTT TTTTTTTTTAAAGCTCTTGATTTATACTTTATTTTCTGTCTTTATATGTAACACATACTA ATCAAAGGAAAAAACTAAAAATACAGATTTATACCCAAATGGATAACGATTATATAATC ATTCTTACTCCAAAAAGAAGTATTAGGTATAACAATTATAAACTTCAGATAAATAGG TCATATTTCTATAAATACTAATTTGTTATATACAACACATAATCTTCTACAAATACTAGTT TTATGTTATTACTTTTCAAATATTTCAAAGTATTATTTTTTCTGTGCTTCAATTT TCTCATTTGTAATTTAGGGACTTACCCATTTTTATAGATTTACTAGAAATTAAGTTTTTT TTTGCTGACAAGAATGTCAAATCAGGCACACTGGGATTTATTCCTTTAAAAATACAGTCA TTTTTAATCTTCTAATAGGTAATGGTCTAAAGTCAGAGTCCAGTTACAACATGGAGATA AGACACACTGCCAATGGCAACTCCTCCTCTGGCAGTTTTTTTCTCCAATGTTTGAGTAG ATCATTGTTTCTTTGGTTGAACACCAGATAAATGTGTAGTTGGTTGGATTTAGGACCCA TTTTGATGACAAATACCCATCTTAAAACCCAGCTTAAACACAGCTTAGGCTATCTACAT GCTTAAAGCTTATTGAAAAAGGTGCCTCCACCCTGGATTCCATCAAAGGCTCCACAA ATGGAATCCCCCGGTTAAATACCTTTTCCCCCCTTTTTTTCAAATATGGGGGGAGG GTACCTTAAAATTGATAAAAAAGGACCCCGTCCAATTTTATAATTGGCG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_020751
Insert Size:	3100 bp
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).
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_020751.1</u> , <u>NP_065802.1</u>
RefSeq Size:	3442 bp
RefSeq ORF:	1974 bp
Locus ID:	57511
UniProt ID:	<u>Q9Y2V7</u>
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 (1) encodes the longer isoform (1).