

Product datasheet for **SC324303**

COG7 (NM_153603) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG7 (NM_153603) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG7
Synonyms:	CDG2E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_153603.1
 CCACGCGTCCGAAGTCTGAGTGCCTGAGCGGGGAAGCGCAAAGGGGCAAGTTACCCGTCCT
 GGCGTTTCTGGGGTTTCGCTCGGAGGCTAGCCTCGGTGCTCTCGCAGGCTCGCTCGCTTC
 TGCATCCCCGTTGCCGCCGGAGCAACTCTTAAGTTCTGGACGCCAGGCTGAGGCAGT
 TCCGCCATGGACTTCTCAAGTTCTGGCAGACGACTTCGACGTGAAGGAGTGGATCAAT
 GCGGCCTTCAGGGCCGGCTCCAAGGAGGCGGCTCCGGGAAGGCGGATGGCCACGCAGCC
 ACCCTGGTGATGAAGTGCAGTGTTCATCCAAGAGGTGAACACGCGCTGGAGGAAACA
 AGTCACCAAGCTCTCAGAACATGCCCAAAGTGCTCCGTGATGTTGAAGCCCTAAAAACAG
 GAGGCATCTTTCTGAAAGAACAGATGATTCTTGCAAGGAGGACATTAATAAATTTGAA
 CAGGACACATCTCAATCCATGCAGGTGTTGGTAGAAAATTGACCAAGTGAAGTCCAGAATG
 CAATTGCTGCCGAATCTTTCAGGAAGCAGATAAGTGGAGCACGTTGAGCGCCGATATT
 GAGGAGACATTTAAGACTCAGGACATAGCTGTGATTTCTGCCAAGCTAACAGGTATGCAG
 AACAGCTTAATGATGCTTGTGATACACCAGACTACTCAGAAAAGTGTGTGCACTGGAG
 GCACTGAAGAACAGGCTGGAGGCCCTAGCCAGTCCACAGATTGTAGCGGCATTACCTCT
 CAGGCTGTAGATCAGTCCAAAGTGTGTTGTAAGGTGTTTACTGAAATTGACCGGATGCC
 CAGCTCCTGGCCTACTACTACAAGTGTCACAAGGTGCAGCTTTTAGCAGCTGGCAAGAG
 CTGTGTCAAAGTGACCTATCCCTGGACCGCAGCTTACCGGACTCTATGATGCCTTGCTT
 GGTGCTTGGCACACAAAATCCAGTGGGCTACACAGGTTTTCCAGAAGCCCCACGAGGTG
 GTAATGGTGTGCTGATTAGACCCCTGGGGGCCCTCATGCCCTCGCTGCCCTCCTGCCTC
 AGCAACGGCGTGGAGAGGGCAGGGCCCCAGCAGGAGCTCACCAGGCTGTGGAGTTCTAC
 GACGCCACCGCCACTTCGCCAAGGGCTTGGAGATGGCACTGCTCCCCACCTACATGAA
 CACAATCTGGTAAAAGTACGGAGCTGGTGGATGCTGTGATGATCCATACAAACCCTAC
 CAGCTGAAGTATGGCGACATGGAAGAGAGCAACCTCCTCATCCAGATGAGTGTGCTGCT
 CTGGAGCATGGGGAAGTATTGACTGTGTGCAGGAGCTGAGCCACTCCGTGAACAAGCTG
 TTTGGTCTGGCGTCTGCAGCCGTTGACAGATGCGTCAGATTACCAATGGCTGGGGACC
 TGCGGCCTGTTGTGAGCCCTGAAATCCCTCTTTGCCAAGTATGTGTCTGATTTACCAGC
 ACTCTCCAGTCCATACGAAAGAAGTGCAAAGTGGACCACATTCCCTCCCACTCCCTCTTC
 CAGGAAGATTGGACGGCTTTTCAGAACTCCATTAGGATAATAGCCACCTGTGGAGAGCTT
 TTGCGGCATTGTGGGACTTCGAGCAGCAGCTAGCCAACAGGATTTTGTCCACAGCTGGG
 AAGTATCTATCTGATTCTGCAGCCCCGGAGCCTGGCTGGTTTTTCAGGAGAGCATCTTG
 ACAGACAAGAAGAACTCTGCCAAGAACCATGGCAAGAATATAATTACCTCCAGAAGAT
 AACCTGTGTAATATGCCAGTTAATGGAATACTTTATACCCTTAAGGAAAAAGGGTCA
 AGCAACCAACAACCTGCTGGCTGCACCTCGAGCAGCGCTGACTCGGCTTAACCAGCAGGCC
 CACCAGCTGGCTTTTCGATTCCGTGTTCTGCGCATCAAACAACAGCTGTTGCTTATTTTCG
 AAGATGGACAGCTGGAATACGGCTGGCATCGGAGAAACCTCACAGATGAACTGCCCGCC
 TTTAGTCTCACCCCTCTCGAGTACATCAGCAACATCGGGCAGTACATCATGTCCCTCCCC
 CTGAATCTTGAGCCATTTGTGACTCAGGAGGACTCTGCCTTAGAGTTGGCATTGCACGCT
 GGAAAGCTGCCATTTCTCCTGAGCAGGGGATGAATTGCCCGAGCTGGACAACATGGCT
 GACAACCTGGCTGGGCTCGATCGCCAGAGCCACAATGCAGACCTACTGTGATGCGATCCTA
 CAGATCCCTGAGCTGAGCCACACTCTGCCAAGCAGCTGGCCACTGACATCGACTATCTG
 ATCAACGTGATGGATGCCCTGGGCTGCAGCCGTCGCCGACCCCTCCAGCAGATCGTGACG
 CTAAGTGAAGACCAGGCTGAGGACTATAGACAGGTGAGCAAAGGCTGCCCGTCCGCTG
 GCCACCACCGTGGCCACCATGCGGAGTGTGAATTACTGACCCACACACACCGGACCAC
 CAAGAGAGCCAGGGCTGCTGTTTCGCGACTCACCAGCAGATTTGCTCAGAACTCTGC
 CCAAGATTGGGCAGAAGTTACTTTAAAAAGACTTGGTTTCAGCTGGTCACGGTGGCTCAG
 CCTGTAATCCCAGCACTTTGGGAGGCCAAGCCAGATGGATCATGAAGCCAGGAGTTCGAG
 ACCAGCCTGACCAACATGGTGAACCCCATCTCTACTAAAAATACAAAAATTAACAGCAG
 AGCGAGACTCTGTCTCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_153603

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_153603.1</u> , <u>NP_705831.1</u>
RefSeq Size:	2792 bp
RefSeq ORF:	2313 bp
Locus ID:	91949
UniProt ID:	<u>P83436</u>
Cytogenetics:	16p12.2
Gene Summary:	The protein encoded by this gene resides in the golgi, and constitutes one of the 8 subunits of the conserved oligomeric Golgi (COG) complex, which is required for normal golgi morphology and localization. Mutations in this gene are associated with the congenital disorder of glycosylation type IIe.[provided by RefSeq, May 2010]