

Product datasheet for **SC108150**

COG8 (NM_032382) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG8 (NM_032382) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG8
Synonyms:	CDG2H; DOR1
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_032382, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACCGCGGCGACTATCCCATCGGTAGCCACGGCCACAGCAGCGGCTCTCGGCGAGGTGGAGGATG
AAGGGCTCTGGCGTCGCTGTTCCGGGACCGCTTCCCGAGGCCAGTGGCGCGAGCGGCCGATGTGGG
CCGCTACCTCCGGGAGTTGAGCGGCTCGGGGCTGGAGCGGCTGCGGCGGAGCCCGAGCGCTGGCGGAG
GAGCGGGCGCAGCTGCTGCAGCAGACGCGGACTTGGCCTTCGCTAACTACAAGACCTTCATCCGCGGCG
CCGAGTGCACCGAGCGCATCCACCGCTGTTTGGCGACGTGGAGGCGTCTCGGCCGCTGCTCGACCG
TTTGGCCAGCTTCCAGCAGAGCTGCAGGAATTTGTGAAGGAAGCCGAGGAGATCAGCTCCAACCGCCG
ATGAATAGCCTGACCCTAAACCGGCACACAGAAATTTGGAAATACTGGAGATTCCTCAGCTCATGGACA
CCTGTGTCGGAACAGTTATTATGAAGAGGCCCTGGAGCTTGCAGCTACGTACGCCGACTGGAGAGGAA
ATACTCTCCATCCCTGTATCCAGGGCATCGTGAACGAAGTGCGCCAGTCCATGCAGCTGATGCTGAGC
CAGCTGATCCAGCAACTGAGGACCAACATCCAGCTTCTGCCTGCCTCCGTGTCATTGGCTACCTGCGGC
GCATGGACGTCTTCACTGAGGCTGAGTTGAGGGTGAAGTTTCTTCCAGGCCGAGATGCTTGGCTCCGGTC
CATCTGACTGCCATTCCCTAATGATGATCCCTATTTCCATATTACAAAAACCATCGAGGCCCTCCCGTGC
CATCTCTTTGATATCATCACCCAGTACCGTGCCATCTTCTCAGACGAGGACCCACTGCTGCCCCCTGCCA
TGGGTGAGCAGCTGTGAATGAGAGTGCCATCTCCATGGCTGGGTGCTACAGAAGGTCTCACAATTCCT
GCAGGTGCTGGAGACCGACCTTTACCGGGGCATAGGCGGCCACCTGGACTCTCTGCTGGGCCAGTGCATG
TACTTTGGGCTGTCTTCCAGCCGGGTGGGAGCTGATTTCCGGGGTCAAGTTGGCTCCTGTTTTCCAGCGGG
TGGCCATCAGCACTTCCAGAAAGCAATTCAGGAAACAGTGGAGAAATTCAGGAAGAAATGAATCCTA
CATGCTCATCTCGGCTCCAGCCATCCTGGGCACCAGTAACATGCCTGCTGCTGTGCCAGCCACCCAGCCG
GGGACGCTGCAGCCACCCATGGTCTCCTAGATTTCCACCCCTCGCCTGCTTTCTCAACAATATTCTGG
TTGCCCTCAATGATCTGCGCCTCTGCTGCCCTGTGGCCCTGGCGCAGGATGTGACTGGGGCCTTGAAGA
TGCCCTTGCCAAGGTAACATAAAATAATCCTGGCCTTCCATCGCGCTGAAGAGGCTGCCTTCAAGCGGG
GAGCAAGAGCTCTTTGTCCAGTTCTGCACTGTCTTCTGGAAGACCTTGTCCGTATTTAAATCGTGTCT
TCCAAGTCTTTTTCCACCAGCTCAGATAGCACAGACTTTAGGCATTCTCCCACTCAGCTCTCCAAGTA
CGGTAACCTAGGGCATGTGAACATCGGCGCCATTAGGAGCCCTCGCCTTTATCCTGCCAAGAGAGAG
ACGCTTTTCAACCCTGGATGACCAGGCGCTGGGGCCGAGCTCACAGCTCCAGCACCAGAGCCTCCCGCC
AGGAGCCACGCCCTGGAGCCCGGGGCCAGCCTGCCCGGAGGGAGGGCGAGCGGAGACGCAGGCCGAACC
GCCACGCTGGGGCCCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032382 unedited

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CGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCAGTCCA
TGCAGCTGATGCTGAGCCAGCTGATCCAGCAACTGAGGACCAACATCCAGCTTCTGCCT
GCCTCCGTGTATTGGCTACCTGCGGCGCATGGACGCTTCACTGAGGCTGAGTTGAGGG
TGAAGTTTCTTACGCCCCGAGATGCTTGGCTCCGGTCCATCCTGACTGCCATTCCCTAATG
ATGATCCCTATTTCCATATTACAAAAACCATCGAGGCCCTCCCGTGTCCATCTCTTTGATA
TCATCACCCAGTACCGTGCCATCTTCTCAGACGAGGACCCACTGCTGCCCCCTGCCATGG
GTGAGCAGACTGTGAATGAGAGTGCCATCTTCCATGGCTGGGTGCTACAGAAGGTCTCAC
AATTCCTGCAGGTGCTGGAGACCGACCTTTACCGGGGCATAGGCGGCCACCTGGACTCTC
TGCTGGGCCAGTGCATGTACTTTGGGCTGTCTTCCAGCCGGGTGGGAGCTGATTTCCGGG
GTCAGTTGGCTCCTGTTTTCCAGCGGGTGGCCATCAGCACTTCCAGAAAGCAATTCAGG
AAACAGTGGAGAAATTCAGGAAGAAATGAACTCCTACATGCTCATCTCGGCTCCAGCCA
TCCTGNGCACCAGTAACATGCCTGCTGCTGTGCCAGCCACCCAGCCGNGACGCTGCAGC
CACCCATGGTGCTCTAGATTTCCACCCCTCGCCTGCTTTCTCAACAATATTCTGGTTG
CCTTCAATGATCTGCGCCTCTGCTGCCCTGTGGCCCTGCGCANGATGTGNACTGGGCT
TGAAGATGCCTTGCAGGTAACATAANATANNCTGCCTTCATCGCGCTGAAGAGGCTGC
TTCACAGCGGGAGCAGAGCTCTTTGCCAGTCTGACTGTCTTCTGGAAA
    
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Gene Summary:

This gene encodes a protein that is a component of the conserved oligomeric Golgi (COG) complex, a multiprotein complex that plays a structural role in the Golgi apparatus, and is involved in intracellular membrane trafficking and glycoprotein modification. Mutations in this gene cause congenital disorder of glycosylation, type IIh, a disease that is characterized by under-glycosylated serum proteins, and whose symptoms include severe psychomotor retardation, failure to thrive, seizures, and dairy and wheat product intolerance. [provided by RefSeq, Jul 2008]