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Product datasheet for SC318048

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>NCBI ORF sequence for NM_032382, the custom clone sequence may differ by one or more nucleotides

ATGGCGACCGCGGCGACTATCCCATCGGTAGCCACGGCCACAGCAGCGGCTCTCGGCGAG
GTGGAGGATGAAGGGCTCCTGGCGTCGCTGTTCCGGGACCGCTTCCCCGAGGCCCAGTGG
CGCGAGCGGCCCGATGTGGGCCGCTACCTCCGGGAGTTGAGCGGCTCGGGGCTGGAGCGG
CTGCGGCGCGAGCCCGAGCGCCTGGCGGAGGAGCGGGCGCAGCTGCTGCAGCAGACGCGC
GACTTGGCCTTCGCTAACTACAAGACCTTCATCCGCGGCGCCGAGTGCACCGAGCGCATC
CACCGCCTGTTTGGCGACGTGGAGGCGTCGCTCGGCCGCCTGCTCGACCGTTTGCCCAGC
TTCCAGCAGAGCTGCAGGAACTTTGTGAAGGAAGCCGAGGAGATCAGCTCCAACCGCCGG
ATGAATAGCCTGACCCTAAACCGGCACACAGAAATTTTGGAAATACTGGAGATTCCTCAG
CTCATGGACACCTGTGTCCGGAACAGTTATTATGAAGAGGCCCTGGAGCTTGCAGCCTAC
GTACGCCGACTGGAGAGGAAATACTCTTCCATCCCTGTCATCCAGGGCATCGTGAACGAA
GTGCGCCAGTCCATGCAGCTGATGCTGAGCCAGCTGATCCAGCAACTGAGGACCAACATC
CAGCTTCCTGCCTGCCTCCGTGTCATTGGCTACCTGCGGCGCATGGACGTCTTCACTGAG
GCTGAGTTGAGGGTGAAGTTTCTTCAGGCCCGAGATGCTTGGCTCCGGTCCATCCTGACT
GCCATTCCTAATGATGATCCCTATTTCCATATTACAAAAACCATCGAGGCCTCCCGTGTC
CATCTCTTTGATATCATCACCCAGTACCGTGCCATCTTCTCAGACGAGGACCCACTGCTG
CCCCCTGCCATGGGTGAGCACACTGTGAATGAGAGTGCCATCTTCCATGGCTGGGTGCTA
CAGAAGGTCTCACAATTCCTGCAGGTGCTGGAGACCGACCTTTACCGGGGCATAGGCGGC
CACCTGGACTCTCTGCTGGGCCGGTGCATGTACTTTGGGCTGTCCTTCAGCCGGGTGGGA
GCTGATTTCCGGGGTCAGTTGGCTCCTGTTTTCCAGCGGGTGGCCATCAGCACTTTCCAG
AAAGCAATTCAGGAAACAGTGGAGAAATTCCAGGAAGAAATGAACTCCTACATGCTCATC
TCGGCTCCAGCCATCCTGGGCACCAGTAACATGCCTGCTGCTGTGCCAGCCACCCAGCCG
GGGACGCTGCAGCCACCCATGGTGCTCCTAGATTTCCCACCCCTCGCCTGCTTTCTCAAC
AATATTCTGGTTGCCTTCAATGATCTGCGCCTCTGCTGCCCTGTGGCCCTGGCGCAGGAT
GTGACTGGGGCCTTGGAAGATGCCCTTGCCAAGGTAACTAAAATAATCCTGGCCTTCCAT
CGCGCTGAAGAGGCTGCCTTCAGCAGCGGGGAGCAAGAGCTCTTTGTCCAGTTCTGCACT
GTCTTCCTGGAAGACCTTGTTCCGTATTTAAATCGCTGTCTCCAAGTCCTTTTTCCACCA
GCTCAGATAGCACAGACTTTAGGCATTCCTCCCACTCAGCTCTCCAAGTACGGTAACCTA
GGGCATGTGAACATCGGCGCCATTCAGGAGCCCCTCGCCTTTATCCTGCCAAAGAGAGAG
ACGCTTTTCACCCTGGATGACCAGGCGCTGGGGCCCGAGCTCACAGCTCCAGCACCAGAG
CCTCCCGCCGAGGAGCCACGCCTGGAGCCCGCGGGCCCAGCCTGCCCGGAGGGAGGGCGA
GCGGAGACGCAGGCCGAACCGCCCAGCGTGGGGCCC

Restriction Sites: Please inquire

ACCN: NM_032382

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_032382.3, NP_115758.2
RefSeq Size:	2482 bp
RefSeq ORF:	1839 bp
Locus ID:	84342
UniProt ID:	Q96MW5
Cytogenetics:	16q22.1
Domains:	Dor1
Protein Families:	Druggable Genome
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]