

Product datasheet for **RC226693**

COG6 (NM_001145079) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG6 (NM_001145079) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COG6
Synonyms:	CDG2L; COD2; SHNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226693 representing NM_001145079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGGGCAGCGGGGAAGTGGTGCAGTGTCTGCGACCGGGCTGCCAACGCCTCAACAATGGGG
 CAGGCGGGACCTCGGCGACGACCTGCAACCCGCTGTCGCGCAAGCTGCATAAGATCCTGGAGACGGCT
 GGACAACGACAAGGAGATGTTAGAAGCTCTCAAGGCATTTCAACCTTTTTTTGTTGAAAATAGTCTGCGG
 ACTCGAAGAAATTTACGTGGAGATATTGAACGTA AAAAGTTTAGCCATCAATGAAGAATTTGTAAGCATT
 TCAAGGAAGTGAAGGAGAACTTGAAGCATAAGCGAAGATGTTCAAGCAATGAGCAACTGTTGTCAAGA
 TATGACAAGTGCCTACAGGCAGCAAAGGAACAGACTCAAGATTTAATAGTAAAAACCACTAAGCTTCAA
 TCTGAAAGCCAAAATTAGAGATAAGAGCTCAAGTTGCAGATGCCTTCTATCCAAGTTCCAAGTACTT
 CTGATGAAATGAGTCTTCTCCGAGGTACAAGAGAAGGACCCATTACTGAGGATTTTTTCAAGGCACTGGG
 AAGAGTAAACAGATTCATAATGATGTCAAAGTCTCTTTCGCTACAAATCAACAAACGGCAGGTTTAGAA
 ATTATGGAACAGATGGCCTTACTTCAAGAAACGGCTTATGAAAGACTTTACCGATGGGCTCAAAGTGAAT
 GCAGAACATTGACACAAGAATCATGTGACGTATCTCCAGTATTGACACAGGCAATGGAAGCCCTGCAGGA
 CAGACCTGCTTATATAAATATACCTTAGATGAATTTGGAACAGCCAGAAGAAGTACAGTTGTTCTGTTGGA
 TTTATTGATGCGCTCACAAAGAGGGGGCCCGGAGGTACACCTAGACCAATTGAAATGCATTCTCATGACC
 CTTTGAGGTATGTAGGAGATATGTTGGCTGGCTCCATCAAGCTACTGCTTCTGAAAAGGAACACCTTGA
 AGCTCTCTAAAGCATGTAACACAAAGGTGTTGAAGAAAATATTCAAGAAGTTGTTGGGCATATCACT
 GAAGGTGTGTGCAGGCCCTAAAGGTTGCAATTGAGCAAGTAATAGTTGCTGAACCTGGGCAAGTTTAT
 TATATAAAATTTCTAATCTCCTCAAATTTATCACCATAACAATCAGTGGTATTGTTGAAAATAGTGAAC
 TGCATTATTGACTACCATTGAAGAAATGCATTTGCTAAGCAAAAAAATATTCTTCAATAGCTTGAGTCTT
 CATGCAAGTAAATTAATGGACAAGGTTGAACTCCACCCACTGATCTTGACCAAGTTCTGCACTAAATC
 AGACACTCATGTTGCTGCGTGAAGTTTTAGCATCTCACGATTCTTCAGTTGTACCATTAGATGCTCGTCA
 AGCTGATTTTGTGAGGTTTTATCATGTGCTTGGATCCTCTCTACAGATGTGTACTGTATCAGCCAGC
 AATTTAGGCACAGCTGACATGGCCACTTTCATGGTCAATTCATATATGATGAAGACAACATTAGCTC
 TATTTGAATTCCTGACAGAGCTCTGAAATGCTACAGTTTCAGATCGAAGCACATTTGGACACACTTAT
 AAATGAGCAAGCCTTTATGTTTTAACTAGGTTAGGCTTGAGTTACATCTATAACTGTACAGCAACAT
 AAACCTGAACAGGCTCTTTAGCTAATATGCCCAACCTAGATTCTGTGACTGAAGGCTGCAATGGTTC
 AGTTTGATCGTTATCTGTGAGCCCGAGACAACCTATTGATACCACAGCTGAACCTTCTTCTAAGTGCCAC
 AGTGAAGCGTCCACCAACGGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226693 representing NM_001145079
 Red=Cloning site Green=Tags(s)

MAEGSGEVVAVSATGAANGLNNGAGGTSATTCNPLSRKLHKILETRLDNDKEMLEALKALSTFFVENSRLR
 TRRNLRGDIERKSLAINEEFVSIFKEVKEELESISEDVQAMSNCQDMTSRLQAAKEQTQDLIVKTKLQ
 SESQKLEIRAQVADAFLSKFQLTSDMSLLRGTRREGPITEDFFKALGRVKQIHNDVKVLLRTNQQTAGLE
 IMEQMALLQETAYERLYRWAQSECRTLTQESCDVSPVLQAMEALQDRPVLYKYTLDEFGTARRSTVVRR
 FIDALTRGGPGGTPRPIEMHSHDPLRYVGDMLAWLHQATASEKEHLEALLKHVTTQGVENIQEVVGHIT
 EGVCRPLKVRIEQVIVAEPGAVLLYKISNLLKFYHHTISGIVGNSATALLTIEEMHLLSKKIFFNSLSL
 HASKLMDKVELPPDLGPSSALNQTLMLLREVLASHDSSVPLDARQADFVQVLSCVLDPLLQMCTVSAS
 NLGTADMATFMVNSLYMMKTTLALFEFTDRRLEMLQFQIEAHLDTLINEQASYVLTRVGLSYIYNTVQQH
 KPEQGLANMPNLDVTLKAAMVQFDRYLSAPDNLLIPQLNLLSATVKRPPNGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8069_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145079

ORF Size: 1845 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001145079.2](#)

RefSeq ORF: 1848 bp

Locus ID: 57511

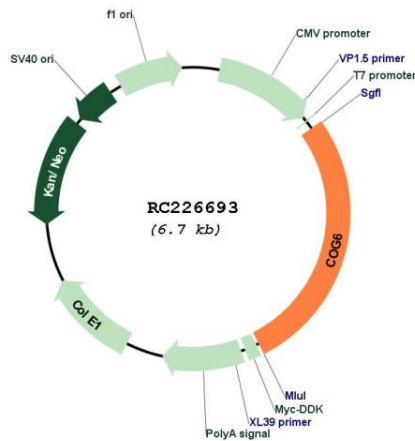
UniProt ID: [Q9Y2V7](#)

Cytogenetics: 13q14.11

MW: 68.2 kDa

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]

Product images:



Circular map for RC226693