

Product datasheet for **RG207981**

COG6 (NM_020751) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG6 (NM_020751) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	COG6
Synonyms:	CDG2L; COD2; SHNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG207981 representing NM_020751
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGGGCAGCGGGGAAGTGGTGCAGTGTCTGCGACCGGGCTGCCAACGGCCTCAACAATGGGG
 CAGGCGGGACCTCGGCGACGACCTGCAACCCGCTGTCGCGCAAGCTGCATAAGATCCTGGAGACGCGGCT
 GGACAACGACAAGGAGATGTTAGAAGCTCTCAAGGCACTTTCAACCTTTTTTTGTTGAAAATAGTCTGCGG
 ACTCGAAGAAATTTACGTGGAGATATTGAACGTAAAAGTTTAGCCATCAATGAAGAATTTGTAAGCATT
 TCAAGGAAGTGAAGGAGGAAGTGAAGCATAGCGAAGATGTTCAAGCAATGAGCAACTGTTGTCAAGA
 TATGACAAGTGCCTACAGGCAGCAAAGGAACAGACTCAAGATTTAATAGTAAAAACCACTAAGCTTCAA
 TCTGAAAGCCAAAAATTAGAGATAAGAGCTCAAGTTGCAGATGCCTTCTTATCCAAGTTCCAAGTCACT
 CTGATGAAATGAGTCTTCTCCGAGGTACAAGAGAAGGACCCATTACTGAGGATTTTTTCAAGGCACTGGG
 AAGAGTAAACAGATTCATAATGATGTCAAAGTCTCTTTCGCTACAAATCAACAAACGGCAGGTTTAGAA
 ATTATGGAACAGATGGCCTTACTTCAAGAAACGGCTTATGAAAGACTTTACCGATGGGCTCAAAGTGAAT
 GCAGAACATTGACACAAGAATCATGTGACGTATCTCCGGTATTGACACAGGCAATGGAAGCCCTGCAGGA
 CAGACCTGCTTATATAAATATACCTTAGATGAATTTGGAACAGCCAGAAGAAGTACAGTTGTTCTGTTGGA
 TTTATTGATGCGCTCACAAAGAGGGGGCCCGGAGGTACACCTAGACCAATTGAAATGCATTCTCATGACC
 CTTTGGAGTATGTAGGAGATATGTTGGCTTGGCTCCATCAAGCTACTGCTTCTGAAAAGGAACACCTTGA
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 AGCTGATTTTGTGCAGGTTTTATCATGTGTCTTGGATCCTCTCTACAGATGTGTACTGTATCAGCCAGC
 AATTTAGGCACAGCTGACATGGCCACTTTCATGGTCAATTCATATATGATGAAGACAACATTAGCTC
 TATTTGAATTCAGTACAGAGCTCTGGAATGCTACAGTTTCAGATCGAAGCACATTTGGACACACTTAT
 AAATGAGCAAGCCTTTATGTTTTAACTAGGGTAGGCTTGAGTTACATCTATAACACTGTACAGCAACAT
 AAACCTGAACAGGCTCTTTAGCTAATATGCCCAACCTAGATTCTGTGACTGAAGGCTGCAATGGTTC
 AGTTTGATCGTTATCTGTGAGCCCGAGACAACCTATTGATACCACAGCTGAACCTTCTTCTAAGTGCCAC
 AGTGAAAGAGCAGATCGTAAAAAATCTACAGAATTAGTCTGCAGAGCCTATGGTGAAGTGTATGCAGCC
 GTGATGAATCCAATCAATGAATACAAAGATCCAGAGAACATTCTTACCAGATCGCCCGAGCAAGTGCAGA
 CGTTCTTTCC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207981 representing NM_020751
Red=Cloning site Green=Tags(s)

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MAEGSGEYVAVSATGAANGLNNGAGGTSATTCNPLSRKLNKILETRLNDKEMLEALKALSTFFVENSRL
TRRNLRGDIERKSLAINEEFVSIKFKEVKEELESISEDVQAMSNCQDMTSRLQAAKEQTQDLIVKTTKLQ
SESQKLEIRAQVADAFLSKFQLTSDMSLLRGTREGPITEDFFKALGRVKQIHNDVKVLLRTNQQTAGLE
IMEQMALLQETAYERLYRWAQSECRILTQESCDVSPVLTQAMEALQDRPVLYKYTLDEFGTARRSTVVRR
FIDALTRGGPGGTPRPIEMHSHDPLRYVGDMLAWLHQATASEKEHLEALLKHVTTQGEENIQEVVGHIT
EGVCRPLKVRIEQVIVAEPGAVLLYKISNLLKFYHHTISGIVGNSATALLTTIEEMHLLSKKIFFNLSL
HASKLMDKVELPPDLGPSSALNQTLMLLREVLASHDSSVPLDARQADFVQVLSVLDPLLMQCTVSAS
NLGTADMATFMVNSLYMMKTTLALFEFTDRRLEMLQFQIEAHLDTLINEQASYVLTRVGLSYIYNTVQQH
KPEQGSANMPNLDVTLKAAMVQFDRYLSAPDNLLIPQLNLLSATVKEQIVKQSTELVCRAYGEVYAA
VMNPINEYKDPENILHRSPQQVQTLLS
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020751

ORF Size: 1971 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_020751.1](#), [NP_065802.1](#)

RefSeq Size: 3442 bp

RefSeq ORF: 1974 bp

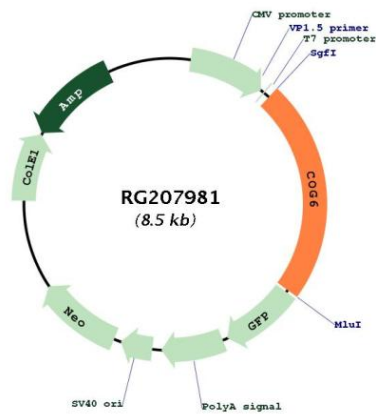
Locus ID: 57511

UniProt ID: [Q9Y2V7](#)

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]

Product images:



Circular map for RG207981