

Product datasheet for **SC107336**

COG3 (NM_031431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COG3 (NM_031431) Human Untagged Clone
Tag:	Tag Free
Symbol:	COG3
Synonyms:	SEC34
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_031431, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGGCGGCGCTGTTGCTGCTGCCTGAGGCGGCGGAGCGGGACGCTAGGGAAAAGCTGGCTC
TCTGGGATCGGAGACCGGACACGACGGCGCCGCTGACCGACAGGCAGCGGACTCGGTATTGGAGCTGAA
GGCGGCGCAGAGAAGCTTCCCGGTGCCAGCTGAGCTTCCAATTGAAGACTTGTGCAGTTAACATCCCAG
TCACTGCCATTGAAGTGAATTCAGTAGTGCCTGAATCTACAGAAGACATTCTCTTGAAGGGCTTCACTT
CCTTAGGAATGGAAGAAGAAAGAATTGAAACCGCACAGCAGTTTTTCTCATGGTTTGCAAAGCTGCAAAAC
TCAGATGGATCAAGATGAAGGAATAAATAGACAGATGAGGGATTACTTGTCTGGTTTCAGGAGCAG
TGTGATGCTATATTGAATGATGTAACAGTGCTCTTCAGCATCTGGAGTCTTTCAGAAACAGTATCTTT
TTGTGTCCAATAAGACAGGAACCTACATGAAGCCTGTGAACAGCTCCTAAAAGAACAGTCGGAACCTGT
TGACTGGCTGAAAACATTCAACAAAAGCTTTCCTATTTTAAACGAATTGGAAACTATTAACACAAAATTG
AATTCCCCTACATTGTCGGTGAATAGTGACGGATTTATACCTATGCTGGCCAAGTTAGATGATTGTATAA
CATATATCTCATCTCATCTAATTTTAAAGATTATCCCATATATTTGCTGAAGTTTAAACAGTGTCTTTC
TAAAGCTTTGCACCTCATGAAGACATATACTGTGAACACACTACAGACCTCACAAGTCAGTTACTGAAA
AGGGATCCTTCATCTGTACCTAATGCAGACAATGCCTTCACATTATTTTATGTGAAATTTTCGAGCTGCTG
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CATTTTCAGATGTTCACTTAGAAGAAGGAGAGTCTAACAGTCTGACAAAACTCGTTCACAGAAATCCCT
CAATCCTAGACCACAGACCACAATTTCTCCAGCAGATCTTCATGGAAATGTGGTATCCTACGGTTCGAAGA
ACTCTTGTCTGTCTCTCCAAATATACAGATGCATAGATAGGGCAGTGTCCAAGGATTATCACAGGAAG
CATTGTCTGCCTGCATTAGTCTTACTTGGAGCGTCAGAGTCTATCAGCAAAAACAAGACTCAGATTGA
TGGACAACCTTTCTTAATTAAGCACCTTTTGATACTTCGTGAACAAATGCTCCATTTCACTGAATTC
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CTGTCCCAAGATTTTTAGGCTGAATAGCAACAATGCCTTGATAGAGTCTTGTGGAGGGTACTCCTGA
GATAAGAGAACATTATCTTGACTCTAAAAAGACGTAGACCGTCACTGAAATCGGCCTGTGAGCAGTTT
ATTCAGCAGCAGACCAAGCTGTTGTAGAACAGCTGGAGGAGTTCATGACAAAGTTTCAGCGTTAAAAA
CAATGGCCAGTCAGGGAGGCCCAAGTATACTCTCACAGCAGCCTTGGGCACAACCAGCAAAGGTCAA
TGACCTTGGCGCAACTGCATATAAGACAATAAAAACAAAGCTGCCTGTGACATTGAGAAGTATGTCTTG
TACCTATCCAATAAAGATACCGAGTTCATCTTGTTTAAACCTGTGAGGAATAATATTAGCAAGTCTTCC
AGAAGTCCACGCTCTGTTAAAGGAAGAGTTCAGCCCTGAAGACATCCAGATCATTGCCTGTCCATCTAT
GGAACAGCTGAGCCTTCTGCTGTGAGTTTCTAAATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031431 unedited NGGGTGCAAAATTTGTATACGACTCCTATAGGCGGCCCGCAATTCGCACGAGGAAGTGGC CCAGGTCTCTGTCTGGGGTCCCCTCCATCTCGCTGCTGCTGAAGGCCGCGAGGGCGGCG GCGATGGCGGAGGCGGCGCTGTTGCTGCTGCTGAGGCGGCGGCGGAGCGGGACGCTAGG GAAAAGCTGGCTCTCTGGGATCGGAGACCGGACACGACGGCGCGCTGACCGACAGGCAG ACGGACTCGGTATTGGAGCTGAAGGCGGCGGCAGAGAACTTGCCGGTGCCAGCTGAGCTT CCAATTGAAGACTTGTGCAGTTTAAACATCCCAGTCACTGCCATTGAAGTACTGACTCAGTA GTGCCTGAATCTACAGAAGACATTCTCTTGAAGGCTTCACTTCCTTAGGAATGGAAGAA GAAAGAATTGAAACCGCACAGCAGTTTTTCTCATGGTTTGCAAAGCTGCAAACCTCAGATG GATCAAGATGAAGGAACTAAATATAGACAGATGAGGGTACTTGTCTGGGTTTCAGGAG CAGTGTGATGCTATATTGAATGATGTAACAGTGTCTTTCAGCATCTGGAGTCTTTGCAG AAACAGTATCTTTTTGTGTTCCAATAAGACAGGAACCTACATGAAGCCTGTGAACAGCTC CTAAGAAGACAGTCGGAACCTGTTGATCTGGCTGAAAACATTCAACANAAGCTNTCCTAT TTTAACGAATTGAAACTATTAACACAAAATTGAATCCCCTACATTGTCGGTGAATAGT GACGGATTTATACCTATGCTGGCCAAGTAGATGATTGTATAACATATATCTCATCTCATC CTAATTNTAAAAGATATCCCATATATTGCTGAAAGTTAAACAGTGTCTTCTAAAGCTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031431 unedited GGACGCGGCCGCATATATCGAGTTTTTTTTTTTTTTTTTTTCAAGGTAGGAAGCAAAAA TCTTTATTTTTAAAAATTCACATTTTATAAAAACAGCAATTTCTAGCCAATAATATAA AGCATTTTAAATTTTGAAGTATATACACTCTTTGTATAAGTGAACACTTAAACTGT ACAGATTTAAACAATAATCATTAGCAAACAAGTTGGGTCACTATTACCTACTCAGCAC TTTGTAAGGTGTTTGAAGTGTTCAGAAATAAAAGATCAAAAGACAAGAACCAATGTCATT AAATATTTTTATAAGAACACACTCCGCTCTGTAATCAAATTAATCAGTCACGTACTTA CTGTACAATAATCATGCCCTCATTTCTTTGGAAAGGCTATTAATAATCAAATGTACATAT AATACACAAAACCTGGATATTTTACAGTTTATTTTCAATTAACATGTATTTAAAAACAGTT AAGTAAATACAATCTTCCATAATTCATTCATTTTCAATGGCAAAGAATGAATATGGGCCCTCT TACCTTCTACCTTCTCAAATAGAGAGTAATAAGCTCAATCAAGCAACGTCATCACCAA TTTAAACTGAGTAAAAGGAAGTACCTGTTACAATGACAACAATCAGGGGTATGCACC CTNCGAGAAGTGTGCCCTCAGTACGTCTAATGAGTTACAGGGCACCCACTGCACCAAAAT GGTCCCCTGGNTCCCATTTNAGAAACCCNNTGACATGTNCACCTCTAGNACTAGTGTT GGAAAACTCAGAATTNCTTTTTGAACTAAGAAAGCTGNNCTGCCTTAACATCAGCGGG AAAACATTCCATNCAGGATGTANGNAATTTGGTGGNAAAANTCATAGATTGCTAATTTT TGGATCCTGAATGGGGNGGGGAGTTTCAAATGGGAAAGGGTTGGCATCCTCTAGGTGG TGGGAAAATGATTCTGCTGTACTGGCCTAAAACCAACATGGCCCAAGNCANCAANCGC TGATGATTACGACATGAAGATTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_031431
Insert Size:	5150 bp
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).
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:	NM_031431.2 , NP_113619.1
RefSeq Size:	4500 bp
RefSeq ORF:	2487 bp
Locus ID:	83548
UniProt ID:	Q96JB2
Cytogenetics:	13q14.13
Domains:	Sec34
Gene Summary:	This gene encodes a component of the conserved oligomeric Golgi (COG) complex which is composed of eight different subunits and is required for normal Golgi morphology and localization. Defects in the COG complex result in multiple deficiencies in protein glycosylation. The protein encoded by this gene is involved in ER-Golgi transport.[provided by RefSeq, Jun 2011]