

Product datasheet for **SC118814**

Golgin 97 (GOLGA1) (NM_002077) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golgin 97 (GOLGA1) (NM_002077) Human Untagged Clone
Tag:	Tag Free
Symbol:	Golgin 97
Synonyms:	golgin-97
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118814 sequence for NM_002077 edited (data generated by NextGen Sequencing)

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ATGTTTGCAAACTGAAGAAGAAAATTGCAGAAGAGACTGCTGTTGCTCAGAGGCCAGGA
GGTGCTACTAGGATCCCACGGTCTGTGAGCAAGGAATCAGTTGCCTCAATGGGAGCTGAC
TCAGGAGATGACTTTGCTTCCGATGGAAGCAGCTCCAGAGAAGATCTTTCATCCCAGCTT
CTGAGAAGGAATGAACAGATACGGAAGTTAGAGGCCAGACTTTCTGACTATGCTGAACAG
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CAGCAGCGGATGCTGGAGCTCCGGAAGACTCTGCAGAAGGAGCTGAAATCAGACCCGAT
AATGAGCTCTTCGAAGTCCGGGAGAAACCTGGACCTGAGATGGCAACATGGCGCCTTCC
GTCACGAATAACACTGACCTGACAGATGCCCCGAGATCACTTTGAGTACCTTAAACAT
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AAGATGTCATGGTTTGGGTCCAAACAGCTCCCAAGGGCAGCATCCGGCCGTCTATCTCA
AACCCTCGGATACCATGGTCCTAG

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Clone variation with respect to NM_002077.3

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002077 unedited GACTCTCTATAGGGCGGCCGCAATTCGGCACGAGGCTCCAAGCTGTTTTAAATCTAGTA GATAAGCCAGATCCTGTGTGCCATAAGCCCTTGGCCACATTTAAGTGGGAATGCAGCT AGCTTGGATGTCTGAACTTTGTAGGCGCTCTGTCTGAATCCTGAACACAGGCACCAGG ACTACTGAGAGCTCGTCATCTGTGCAGGATAGCCACACAGCAACATGTTTGCAAACTG AAGAAGAAAATTGCAGAAGAGACTGCTGTTGCTCAGAGGCCAGGAGGTGCTACTAGGATC CCACGGTCTGTGAGCAAGGAATCAGTTGCCTCAATGGGAGCTGACTCAGGAGATGACTTT GCTTCCGATGGAAGCAGCTCCAGAGAAGATCTTTCATCCAGCTTCTGAGAAGGAATGAA CAGATACGGAAGTTAGAGGCCAGACTTTCTGACTATGCTGAACAGGTCCGAACTTGCAG AAGATAAAGAGAAGCTTGAAATTGCATTAGAAAAACACCAGGATTCTTCCATGCGGAAA TTTCAAGAGCAGAATGAGACATTCCAAGCCAACAGAGCCAAAATGGCAGAAGGACTGGCT TTGGCATTAGCCAGAAAGGACCAGGAATGGTCAGAAAAGATGGATCAGCTTGAAAAGGAG AAAAATATTCTGACAGCCAGTTACAGGAAATGAAGAACCAGAGTATGAATCTTTTCCAA GGAGAGATGANATGGATGAATTAGAGGGGTCCAGCAGCAGGAATAAGTAAATANGCAC ATGCTNTTAAAAAGAAGAAGTCTAGGGAANATGGACAGAATGGGAGCACGACCAGAGAC TTAGTCGTACCAGNAGGAGNTGATGAACTCATCAGATGTCTCGACTTAGCAGAGCTAGAG AATGCAAGACCTCTCACGCTGAGAGCAAAAGATCTGTGATACTCAAANCGTGCAGAAGTA GATACAGCCTGGACANNAGACAGAGCTCAGCTCATCACACTTCATGATTG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002077 unedited AGCTATGGAACGCAGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTAATT TAGTTTTTTATTTAACCAGTGAACTTTTCATCAACAATAAACGGTTTCCTTTTAGATTCT AATATTGTGGCTTTTCCAGAACCAGCATGTTCCCTTTCCCTCAGTAAACGAGGAATCCATA AAACAAGTTTTTTGTTGGTTACTACCAGAGTCATGTGCATGCTACAAGTGCTGCAGCCAGC TGGGCGCCGTCTGGGTGTAGTGTCAATTTAAGTATTTGGGGTGGGATGAGGGAGAGAGAG CAGCTCCACAGACAAGGCAGACTGCCCAATGTCTCCATCGAGGCTGGGGACAGCTGCT GCCCCACTGGAGACAGCGGACTGTCTTCAGTAGAAGACAGGTGGTCTGCATCGCCAG CGGCAGCGCAGCACAGAATCAAGACAAAGCACACGAGATCCCACTGCCTTCAGAGGGAG CAGTGCCAGAGTGCAGTGAGAAGACAAAGGAACAGGAATCCTAGTTTTAGGAAGAATTT CCTCTGGACGCTCTGATTTTAAGAACCAGTTAAATGGATTTTATAGTACAGAAGACAT GTTTATAGTAGTGAAGAACTTCAGCTATAAAAAATAGTTTAAATGGTTTACCAGCAACC TATCCAAGACAAGTACATTCAATTAAGGAAGCAATTGAGTGTGTTTGGTACTAAGGGGTC TTTCATATATTTGCTAGTTTTCTTAAGTAAAGTGGAGATACTGTCAAGAAAGTGCATTNT CTCATTATCCACACCGNCCCTTAAGGATGGATCCTCTAAAGCTCTANGTGGTTTGAGA GACAGGGTGAAAGAATATTTTCTTGACAAGAACGCATAAAAAGCCTCTAACTCATCCTG ATTTTTAAAGCCACCTCCCATAGAGTNCCATGAAGTTGCCTGGTCTGGCAAAAGCAGT GGNNTTGGCCTGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_002077
Insert Size:	4000 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:	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:	<u>NM_002077.2, NP_002068.1</u>
RefSeq Size:	4805 bp
RefSeq ORF:	2304 bp
Locus ID:	2800
UniProt ID:	<u>Q92805</u>
Cytogenetics:	9q33.3
Domains:	GRIP
Gene Summary:	The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein is associated with Sjogren's syndrome. [provided by RefSeq, Feb 2010]