

Product datasheet for **SC116934**

GOLGA5 (NM_005113) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLGA5 (NM_005113) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLGA5
Synonyms:	GOLIM5; ret-II; RFG5
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 SC116934 sequence for NM_005113 edited (data generated by NextGen Sequencing)

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ATGTCTTGGTTTGTGATCTTGCTGGAAGGCAGAAGATCTTTAAACCGAGTTGATCAA
GGGGCTGCAACAGCTCTCAGTAGGAAAGACAATGCCAGCAACATATATAGCAAAAATACT
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CCAGAAATGCACCACGACCAACCATATGGCAAATGA

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Clone variation with respect to NM_005113.2
1048 t=>c

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005113 unedited GAGTTTANGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGTC TCCCGGAAGCGGTAGCAGGGCCCCGGCGGGTCGGGGAGGAGGTTTACTCAGCTTGGGCC CCTCCGGGCCAGCCGCCAGGGGGCGCGGCCAGGACGGCGGTAGGCCGTAGTGCAGCC TCTCCGGAGTCTCAGGTTTGCCAATAGGATTATCCTGCTGCCATCATGTCTTGGTTTGT TGATCTTGCTGGAAAGGCAGAAGATCTTTAAACCGAGTTGATCAAGGGGCTGCAACAGC TCTCAGTAGGAAAGACAATGCCAGCAACATATATAGCAAAAATACTGACTATACTGAACT TCACCAGCAAAATACAGATTTGATATATCAGACTGGACCTAAATCTACGTATATTTCATC AGCAGCTGATAACATTTCGAAATCAAAAAGCCACCATCTTAGCTGGCACTGCAAAATGTGAA AGTAGGATCTCGGACACCAGTAGAGGCCTCTCATCCTGTTGAAAATGCATCTGTTCTAG GCCTTCATCCCATTTTGTGCGAAGAAAAAGTCAGAACCTGATGATGAGCTGCTGTTTGA TTTTCTTAATAGTTCACAGAAGGAGCCTACCGGGAGGGTGGAAATCAGAAAGGAAAAAGG CAAGACACCTGTCTTTCAGAGCTCTCAGACATCAAGTGTCAAGTCTGTGAACCCAGTGT AACCACCATCAAAACATTGAAGAAAATCTTTTGGGAGCCAAACCCACGAAGCTGCCAG TAACTCAGATTCTAGCCATGAAGGTCAAGAGGAATCTTNAAGGANAATGTGTCATCAA TGCTGCCTGCCCTGACCACCCCAACACCTAATGATGATGGCANATCACATGAAGTGTCT TAACCTTCGACTGGAGAATCAGCTGCTGAGNAATGAAGTTCAGTA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005113 unedited GCGGCCGAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTA TAAAAAAAACCTTTTTATTTTGGCACTAAATACAATTAGTTTCCCTGATTATAACCCA TAATCAATGTACCTAACATACAAATGGGCTGTACAGAGGGGAACAACCCACCACATCTT CTCTACATATATATTAGGACCACTAAACTCAAATAAGCAAAGCTGAGCTTGTTAAATTA TTGGCTGTTTTAAAACTCTTACCATTTAAAGGAAATTGAAAATTTAGGTAAAAACTT GTACAATAACTTAAAAAGTTAAAGCTTGGAGGGATAAAATAATCTTGGGCACTGGTCTC AAAAATTTTAGGCAATTGGCCTTCTTGCAAATCCCAAGTCTAAAAAACACAACCAATCA CTGGAACAACCTGGGCTTGGTTCAATTTGCCATATGGTTGGCGGGGGGCAATTTCTGGGGTGT AAGTCAACAGAACATCATGACCAGAGGTGAAGCAAAGCCATATATATAATTACAAAAA CTCGCGCTATGGGTATCTTCGGAGAAAAATCCCAGGCGAATACTAACTGATCAATTG AACTAGCAGCTTTGCGAACTTTTCCGTACATTCTGCCAGATAGTTTTCTGTGGCATTAA AAGAAGCAGGAACATTTTCGAGACGAGTGCCTTACCATTGGCAATTCCAGACATATTAA TCGAAGACCCATTCTACTACTTTCAAAGGCGGAGTTCATCTGCTGTTTCAAGCGCTCCA ATTGAAAGAACACAGAGTTTTTTCTGTGCTGAAACTTTCCAACATGGTCTGTTTTTTG AAGAAAATCCTCTGTTTCTGAAGGAGGTCAATTTCTAACACAGACAGGATTGGTTTGGC TTAAAGTTTTATAGGAACCTGAATCCTGAGTTTTGAATTTCTCCCCCAATTTTAATCTC TTTGCAGGGGTG
Restriction Sites:	NotI-NotI
ACCN:	NM_005113
Insert Size:	2850 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005113.2](#), [NP_005104.2](#)

RefSeq Size: 2891 bp

RefSeq ORF: 2196 bp

Locus ID: 9950

UniProt ID: [Q8TBA6](#)

Cytogenetics: 14q32.12

Protein Families: Druggable Genome, Transmembrane

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 protein is a coiled-coil membrane protein that has been postulated to play a role in vesicle tethering and docking. Translocations involving this gene and the ret proto-oncogene have been found in tumor tissues; the chimeric sequences have been designated RET-II and PTC5. A pseudogene of this gene is located on the short arm of chromosome 5. [provided by RefSeq, Jul 2013]