

Product datasheet for **SC107205**

GOLGA8A (NM_181077) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLGA8A (NM_181077) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLGA8A
Synonyms:	CFAP286; FAP286; GM88; GOLGA8B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107205 sequence for NM_181077 edited (data generated by NextGen Sequencing)

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ATGGCAGAAAGAACTGGACAGAGTAAATTAGCTGCAGCCAAGAAAAAGTTCAAAGAATAT
TGGCAGAGAAACCGCCCTGGTGTTCAGCAGCAGCGAAGAGGAACACGAAAGCAAATGGC
AGTAGCCCTGAGACGGCCGCTTCTGGTGGTTGCCACTCATCTGAAGCTTCCTCCTCCGCC
TCCTCCTCTCTGCATGCGCGTCAGAGCCCGTGCCAAGAACAAGCAGCAGTCTGAACTCG
AGGTCCATAAAAAATCAGTCGACTGAATGACACCATCAAATCTTTGAAACACAGAAGAAA
CAAGTGGAACATCAGCTGGAAGAAGAAAAGAAAGCAAACAATGAGAAACAGAAAGCTGAA
AGGGAGCTAGAGGGTCAAATCCAGAGATTGAACACAGAGAAAAAGAACTAAATACGGAC
CTGTATCACATGAAACATTCTCTCAGATACTTTGAAGAAGAGTCCAAGGATCTGGCCGGC
CGCCTGCAACGTTTCATCGCAGCGTATAGGAGAGTTAGAGTGGTCTCTCTGTGCTGTCGCC
GCCACACAGAAGAAGAAGCCGGATGGGTCTCGAGCCGCGAGTAAAGCACTTCTCAAGCGG
CAGTTAGAGCAGTCCATACGGGAGCAGATACTGCTGAAAGGACACGTGACACAGTTGAAG
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AGGGCCCACTGGCAGCAGAGGATGAGGAAAATGTCGAGGAGGTTGCACATTGAAGGAG
GAGAAGAAGCATGATACGCATCGGGTAGAGGAGCTGGAGAGGAGCTTGTCCAGACTCAAA
AACCAGATGGCTGAGCCACTGCCCCGGATGCCCCAGCAGTGTCTCTGAGGTGGAGCTG
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GAGCCACAGAGCGACTTGGAGGAGCTGAAGCACGAGAACAAGAGCGCACTGCAGTTGGAG
CAGCAAGTAAAGGAGCTGCAGGAGAAGCTGGGCCAGGTGAYGGAGACGCTCACCTCGGCY
GAGAAGGAGCCAGAGGCAGCAGTCCCAGCCTCAGGAGCTGGGGGCGAGTCTAGCGGCCTT
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TTCATCCAGTACCGGAGAGAGAGATGCCATCAGAACGTACATCGCCTTCTAACAGAGCCA
GGGACAGTGCCAAAGATGCGTCACCGGGAGGAGGCCATCATCAGGCTGGCCAGGACAA
GGAGGAGAGGAAGGTGAAGCTGCTGGAGCTGCAGGAGATGGTGTGCGGCTTGTGGCAGC
TACARCGAGGGGACGGCAAATTCCTGGCCGCTGCCCGAACCCTGCTGCTGAACCCAGT
CCAGGAGCCCCAGCCCCCAGGAGCTCGGGGCTGCCGACAAGCATGGTGATCTTTGTGAG
GCGAGCCTCACCAACAGCGTGGAGCCTGCACAAGGAGAAGCCAGGGAGGGTTCTTCCAG
GACAACCTACTGCACAGCCARTCGTGAGCTCCTTGGTGAGATGCAGGACCACCAGGAG
CACCCAGGCTTGGGACGCAACTGCTGTGTGCCATGCTTTTGTGCTGGGCTTGGCTGCCGAGA
AGAAGGAGATAA
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Clone variation with respect to NM_181077.3

165 g=>a;1055 g=>r;1181 t=>y;1200 c=>y;1356 a=>c;1505 g=>r;1538 g=>r;1702 g=>r

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_181077 unedited <pre> TTTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGTTGATCAGCGCTCGCT GGGATTTGGCTGACGTGGCCCCAGCCCCGCCTCCCTCCCCACCCACAATGGCAGAAGAA ACTGGACAGAGTAAATTAGCTGCAGCCAAGAAAAAGTTCAAAGAATATTGGCAGAGAAAC CGCCCTGGTGTTCAGCAGCAGCGAAGAGGAACACGAAAGCAAATGGCAGTAGCCCTGAG ACGGCCGCTTCTGGTGGTTGCCACTCATCTGAAGCTTCCTCCTCCGCCTCCTCCTCTCTG CATGCGCGTCAGAGCCCGTGCCAAGAACAAGCAGCAGTCCTGAACTCGAGGTCCATAAAA ATCAGTCGACTGAATGACACCATCAAATCTTTGAAACAACAGAAGAAACAAGTGGAACAT CAGCTGGAAGAAGAAAAGAAAGCAAACAATGAGAAACAGAAAGCTGAAAGGGAGCTAGAG GGTCAAATCCAGAGATTGAACACAGAGAAAAAGAACTAAATACGGACCTGTATCACATG AAACATTCTCTCAGATACTTTGAAGAAGAGTCCAAGGATCTGGCCGGCCGCCTGCAACGT TCATCGCAGCGTATAGGAGAGTTAGAGTGGTCTCTCTGTGCTGTCGCCGCCACACAGAAG AAGAAGCCGGATGGGTTCTCGAGCCGAGTAAAGCACTTCTCAAGCGGCAGTTAGAGCAG TCCATACGGGAGCAGATACTGCTGAAAGGACACGTGACACAGTTGAAGGAGTCGTTAAA GAAGTCCAGCTGGGAGAGAGATCAATATGCTGAACANATANAGGGAGAGAGGGCCAGTG GCAGCAGAAGATGANGGAAATGTCGCCAGGAGGTTGCACATTNGAGGNAGGAGAAGAGCA TGATCGCATNCGGTAGAGGACTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_181077
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_181077.2</u> , <u>NP_851422.1</u>
RefSeq Size:	5229 bp
RefSeq ORF:	1812 bp
Locus ID:	23015
UniProt ID:	<u>A7E2F4</u>
Cytogenetics:	15q14

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, flattened membrane sacs referred to as cisternae. Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. The golgins constitute a family of proteins which are localized to the Golgi. This gene encodes a golgin which structurally resembles its family member GOLGA2, suggesting that they may share a similar function. There are many similar copies of this gene on chromosome 15. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.