

Product datasheet for **SC125276**

Golgin subfamily A member 4 (GOLGA4) (NM_002078) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golgin subfamily A member 4 (GOLGA4) (NM_002078) Human Untagged Clone
Tag:	Tag Free
Symbol:	Golgin subfamily A member 4
Synonyms:	CRPF46; GCP2; GOLG; MU-RMS-40.18; p230
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002078, the custom clone sequence may differ by one or more nucleotides

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ATGTTCAAGAACTGAAGCAAAAGATCAGCGAGGAGCAGCAGCAGCTCCAGCAGGCGCTGGCTCCTGCTC
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 TGCTCGGCTGATGTTTACTTCACCTCGCAGTGGTATCTTCTGA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_002078 unedited
 CACTACTATAGGGCGGCCGCAATTTCGGCACGAGGAGAAAGAGACGCGGCGGCGGCGACG
 CCGACACCCTCAGGACGAGTGTCCGGACTTGCCACAGCCTCAAGGAGGAGACCGCGAGG
 CCCGGCCCCCGCTGTCCCTGGTGTAAAGAAGTCGCCGTAAACGTCGCGGCCGGGACTTCC
 CGGGCTCTCGCCCTTCAAGTTTCGTTGACACTCAAGACCGTACGTTGCTGCGCCATGGT
 CAAGAACTGAAGCAAAAGAATCAGCGAGGAGCAGCAGCAGCTCCAGCAGGCGCTGGCTC
 CTGCTCAGGCGTCTCCAATTCTTCAACACCAACAAGAATGAGGAGCAGGACATCTTCAT
 TTACAGAGCAACTTGATGAAGGTACACCAATAGAGAGTCAGGTGACACACAGTCTTTTG
 CACAGAAGCTCCAGCTCCGGGTGCCCTCCGTGGAGTCTTTGTTTCGAAGTCCGATAAAGG
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 TGAATCGACTTGACCTGGACAGTTCTACTGCCAGTTTGTATCCACCCTCTGATATGGATA
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 GGTGCGAAGAATGGAACGAAGCTTAAGTAGCTACAGGGGAAAAATATTCTGAGCTTGTTA
 CAGCTTATCAGATGCTTCAGAGAGAGAAGANAAGCTACAAGGTATATTAAGTCAGAGTC
 AGGATAAATCACTTCGGAGAATAGCAGAATTAAGAGAGGAGCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002078 unedited <pre>CCAGGCCCGGAGAGGCACTGGGGAGGGTCACAGGGATGCCACCCGGGATCTGTTTCAGGA AACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTATATAG TAAATAAACTTTATTTATCTGTTTCTCAGAGATGACACTGCCAACATCACAGATTTGCA TACAATACAGTTATGTATTGGCTATTCACAATTTACAGTAGTGTTCCTCTGAAAAA TATAAGTACAAAAGCTAAGTAAACAATGAGGTACTGCCATTTGGGATTTTACATGTCT TAGCTTAAAGAACTGGTCTTTAGCAAATATTCAACAGATCAACCTGAATAAAATAGTCAA TTAAATGCTCTAATTTATCAGAAAAATCCACTAAGTTTCACCTCANAATGTATTGCACA AGTCTTTTTAAAAAATCACCTAAAAATAAATAGGAAAGGTAAGCCGTTCTTTAAAAAGA ATGGATGAAAGGAATATTATGTAAGCCCATAAAGCAGGTAAAGTTATCAAAATATCTTTT AAACAACATANAACCTCTCCCAAGAGAAAAGTGAAGAAAAAACTATCACCATTTCTCCAC TGATAAAATCTATTTAAAGGCAGTCTGCAACTTATCTGTGGGCCAGAATTTCTTGGTC TTTTGGCTACATGAGGGGCCCTGAATGACAATTCATTCTCAAAGAGTACCAAGTGTTG ACAGTTTTTCAAGCAGCAAGTCACCCCAATGTCACCTTCTTCTCAGGATGAAAGATTCGG AGCCATTGACACATGTTAACTAAACCACAAGACTGGATGGTTTAACTTCAAAAAGGTTTC</pre>
Restriction Sites:	Please inquire
ACCN:	NM_002078
Insert Size:	8000 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_002078.3</u> , <u>NP_002069.2</u>
RefSeq Size:	7886 bp
RefSeq ORF:	6693 bp
Locus ID:	2803
UniProt ID:	<u>Q13439</u>
Cytogenetics:	3p22.2
Domains:	GRIP, M, Pox_A_type_inc

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 has been postulated to play a role in Rab6-regulated membrane-tethering events in the Golgi apparatus. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Feb 2010]

Transcript Variant: This variant (2) lacks an in-frame exon in the 5' region and has two additional exons in the 3' region; one is in frame and another one includes a stop codon, as compared to variant 1. The resulting isoform (2) is shorter; it lacks a segment in the N-terminal region and has an additional segment in the C-terminal region as well as has a different and longer C-terminus, as compared to isoform 1.