

Product datasheet for **SC329295**

GOLGA3 (NM_001172557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLGA3 (NM_001172557) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLGA3
Synonyms:	GCP170; MEA-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172557, the custom clone sequence may differ by one or more nucleotides

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ATGGACGGCGCGTCGGCCGAGCAAGATGGCCTCCAGGAGGACAGATCCCACAGTGGCCCC
TGGTCTCTCCCCGAGGCCCACTGAAGCCCCGGGCCACTGGTGCCACCTGACCAGCAG
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CAGCGGCAGGATTCGCTGAGCTCGGAGGTGGACACCCTGAAGCAGTCGTGCTGGGACCTG
GAGCGAGCCATGACTGACCTGCAGAACATGCTGGAGGCCAAAAATGCCAGCTGGCGTGC

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TCCAACAACGACTTGCAGGTGGCCGAGGAGCAGTACCAGAGGCTTATGGCCAAGGTAGAG
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 ACAGCCTTGCAGAGCCAGCTTACAGCAGGTGCAGCTGGAGCGGACGACGCTGACCAGCAAG
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 GACGCGGAGCTGGGCCAGCTCCGAGCCAGGTTGGCAGCAGTGCAGCAGCCTGGCTCTA
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 GGGGCAGGTCACGTGAGCCCTGGACATGCCGCCACGCGTGAGACCCGAAGAACAAAACCT
 CACCGTGTGCCAGCGTTGCTACTTTTGGTGTGCCACCTTCTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_001172557
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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: [NM_001172557.1](#), [NP_001166028.1](#)

RefSeq Size: 3819 bp

RefSeq ORF: 3405 bp

Locus ID: 2802

UniProt ID: [Q08378](#)

Cytogenetics: 12q24.33

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 a member of the golgin family of proteins which are localized to the Golgi. Its encoded protein has been postulated to play a role in nuclear transport and Golgi apparatus localization. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Feb 2010]

Transcript Variant: This variant (2) uses a different segment for its 5' UTR and contains a different 3' end, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus when it is compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.