

Product datasheet for **MC228810**

Golga1 (NM_001290649) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golga1 (NM_001290649) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Golga1
Synonyms:	0710001G09Rik; 2210418B03Rik; AW107649; awag; Golgi97; golgin-97
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228810 representing NM_001290649
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGCAAACAAAGAAGAAAATTGCAGAAGAGACTGCTGTTGCTCAGAGACCAGGCCGACAAACA
 GGATCCCACGCTCTGTGAGCAAGGAGTCTGTGGCCTCCATGGGAGCTGACTCTGGAGATGATTTTGCTTC
 CGATGGTAGCAGCTCCAGAGAAGATCTCTCATCCAGCTTTTGAGAAGAAATGAACAGATACGGAAGTTA
 GAGGCCAGACTTTCTGCTCCATGCGGAAATTTCAAGAACAAGTAAACATTCCAAGCCAGCAGAGCCA
 AAATGGCAGAAGGACTGGCTTTGGCTTTAGCCAGGAAGGACCAGGAATGGTCAGAAAAGATGGAACAGCT
 TGAAGAGATAAAAGTTTCTAACATCTCAGCTGCAAGAAGTAAAGAACCAGAGCTTGAGCCTTTTTCAA
 AAAAGAGATGAAATTGATGAATTAGAGGGTTCCAGCAGCAGGAATCAGCAAAGTAAACACATGCTTT
 TAAAAAAGAAGAATGCTTGGGAAGATGGAGCAAGAATTGGATGCACGAACCAGGGAACCTAACCGTAC
 TCAGGAGGAGTTGGTGACTTCTAATCAGTTGTCATCTGACTTAAACGAGCGGCTAGAAGAATTGCAGAGA
 CACTGCTCAACGCTGGAAGAGCAGAGAGATCACTTGACAGCTTCAAAGCAGGTGCAAGAACATAAGATTG
 TAGTCCTGGAACAAAAGGAACAAGAGCTCCAGGCGATCATCCAGCAGCATTCCATTGACCTACAAAAGGT
 CACTGCTGAAACGCAAGAAAAAGAAAAGTCAACACATCTACAAGAGAAGTTATATTCTTGGAAAAG
 AGACTAGAACAGAATTTATCAGGAGAAGATCATGTACAAGAACTTTGAAAGAGAAAAACAGTTGCTGAAC
 AGAATCTGGAAGATACTAGGCAGCAGCTTTGGCTGCCAGGAACAGCCACACCAAGGCACCTTACCTCCT
 GGAGACTCGGGTGAAGGACCTAGAGCGGAGTCTACAGGCTGCTGAAGAACAGCTAAGCCAGAGTAGAAAT
 GTTGTGGCTGACCAGGAAGCCAGATCCAGAAGCTTATCACTACAAACCAGGAGAACAGCCTTTCCAGC
 AGCAGGTTCTTGCCTGGAACAGCATTGCAGGGAGCGCATCCATGCACTGGAGGCCAAAATGAAAGCTCT
 GGAACAAACACGGGTAGCTGACCAGATAGCCTCAGAGCAGGGAATGCTACAACCTGCAGCAGGAAAATGTG
 GCCCTTAAAGAAAGCAGAAATGAATGTGAACATTCCTTACAACATCACCATTGGAATAAAGAACTAA
 AGGATGAATGGAGCCAAAGAGAAATGTGAGTGTAGCAATGGCTCAAGCCCTGGAGGAGGTGCGGAAACA
 GAGAGAAGAGTTCCAGCAACAGGCCACTGAGTTGACAGCCATCATAGAAGAGAAAAATCAGAGCCTGTGT
 GAAAAGGATGAGGCACCTCTCCAGAAGGAGCAGGAACTTCGACAGCTGGAAAAAGGTACAGTTCTGCCC
 TGCTGCAGATGCACAACTGCAGAGGGAAGTAGAGGCTTGAAGACTTGAAGGCTCAGGAGGCAATGCC
 AGCCACAACAGGAGAGGACTGCCCTGCCACTGCAGGCGCAGGAGCCACTTGTCAATTTCAAAGCCATGCAG
 AATTCTGAGTATGAGCTCCAGCTGCAGAAGGAACTCCAACGGTGAGGTTGGAGCCAGTGATCTAAGC
 AGCTACAGAAAGAAAAGCAGGACTTAGAACAGCAACTTATCGAGAAAAATGAAATGATGAAGCAAAATGCA
 GCAGAGGATGCTGGAACCTAAGAAGACTCTACAGAAAGAGTTGAAAATCAGACCTGACAGTGAGCTTTT
 GAGGTCCGGGAGAAGACAGGCCCTGAGATACCAATATGGCCCCTTGTGCACTAATAATACTGACCTGA
 CTGATGCCCGAGAGATCAACTTTGAATACCTTAAACATGTTGTTTTAAAATTCATGTCCTGTCGAGAATC
 TGAGGCTTTTCATCTCATAAAAGCAGTGTGAGTGTGTAATTTCTCACAAGAAGAGGAGAATATGCTC
 AAAGAGACTCTGGAATATAAGATGCTTGGTTGGATCCAACCAACTCCAAGGCGAGCATCCGGCCAT
 CTATCTCCAACCCTCGGATACCATGGTCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290649
Insert Size: 2202 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001290649.1, NP_001277578.1</u>
RefSeq Size:	4793 bp
RefSeq ORF:	2202 bp
Locus ID:	76899
UniProt ID:	<u>Q9CW79</u>
Cytogenetics:	2 B
Gene Summary:	<p>Involved in vesicular trafficking at the Golgi apparatus level. Involved in endosome-to-Golgi trafficking.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>