

Product datasheet for **MC228792**

Golga5 (NM_001199004) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golga5 (NM_001199004) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Golga5
Synonyms:	Ret-II
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228792 representing NM_001199004
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGC
 GCCC

ATGTCTTGTTGCTGATCTTGCTGGAAGGGCTGAAGATCTTTAAACCGAGTGGATCAGGGGGCTGCAA
 CAGCTCTCAGAAAGGAGAATACCAGCAACATCTTTATAGCAAAAATACTGACTATCCTGAACTTCAGCA
 GCAAAACACAGATTCAAATTACCAGACCGGACAGAAAGCTAACTATATTTCTCAGCTGCTGATAACATC
 CGACATCAGAAAGCCACGATCCTAGCTGGCACAGCGAACGTGAAAGTCGGATCCAGGACAGTCGGGGATG
 CCACCCATCCCACCGAGCATGCGTCTGCCCTAGGCCTTCATCCAGTTTGTTCGGAGGAAAAAATCAGA
 GCCTGATGATGAGCTGCTATTTGATTTTCTTAACAGTTCCCAAAAAGAGCCCACTGGGAGAGTGGAAGTC
 AAGAAAGAGAAGGGCAGAGCTCCTGTCTCTCAAGTTCTCCGTCAAGTGTGAGTTCTGTCAACACCAAGTG
 TAACCACCACCAAGGCCATGGGAGGAAACGCTGGGAGCCAAAGTCTGGAGTGAACAGTTTCGGATTCTGT
 GCCTGAAGTTCATAAGGAACCTCAGAGGAGAGCACGGCCCCAAGTGCCACCAGCGAGGAGCACAGCTCT
 ACACCTAGTGACGGTAGCAGCAGGTGCGAGGAGCTGTCCAATCTCCGACTGGAGAATCAGTTGCTCAGGA
 ATGAAGTCCAGTCTTTAAATCAGGAAATGGCCTCATTACTCCAGAGATCCAAAGAACTCAAGAAGAATT
 AAATAAGGCAAGAGTAAGAGTTGAAAAATGGAATGTTGACAATTCAAAGAGCGATCGCATAACTCGAGAA
 CTGCGAGCGCAAGTAGATGACCTCACCGAAGCAGTGGCCGCAAAGGACTCCCAGCTGGCTGTCTCAAAG
 TGCGACTGCAGGAGGCTGACCAGGTGCTAAGTTCCCGCACAGAAGCACTAGAAGCCTTAAGGAGTGAAAA
 GTCACGAATAATGCAGGATCACAAGGAAGGTAGTAGCCTACAGAATCAAGCTCTGCAAACTCTTCAAGAG
 AGGCTGCATGAAGCTGATGCCACTCTAAGAGAGAGCAAGAGAGCTACAAACAAATGCAGAGTGAGTTTG
 CTGCACGCCTTAACAAAATGGAAGTGGACCGCTCAGAAGTTGGCAGAAGCAGTTACTCTGGCAGAAAGAAA
 GTACTCCGAGGAGAAGAAGAAGGTTGATGAATCCAGCAGCAAGTCAAGCTACACAGGGCAAGCTTGGAG
 TCGGCTAAGCAGGAGTTAGTTGACTACAAGCAGAAAGCTACACGGATACTCCAATCTAAAGAAAACTGA
 TCAACAGCTTAAGGAAGGCTCAAGCTTTGAAGGCCTAGAGAGCAGCACGGCTAGCAGCATGGAATTGGA
 AGAAGTTCGGCATGAGAAGGAGATGCAGAAGGAGGAGATCCAGAAGCTGATGGGCCAGATGCATCAGCTG
 AGGTCTGAGCTACAGGACATGGAGGCTCAGCAGGTTAGTGAAGCTGAATCAGCAAGAGAACAATTACAAG
 ATCTGCAAGACCAGATAGCTAAGCAGAGGACATCTAAGCAAGAGCTGGAGACGGAGCTGGAACGAATGAA
 GCAGGAATTCGCTACATGGAGGAGGATCTGCATAGAACAAAGAACACACTGCAAGCAGGATTAAGAT
 AGGGAGGAAGAAATTCAAAACTGAGGAATCAGCTTACCAACAAAACCTTAAGCAACAGCAGCCAGTCAG
 AGCTAGAAAGCCGGCTCCATCAGCTAACGGAACACTCATCCAGAAACAGACCATGCTGGAGAGCCTCAG
 CACAGAAAAGAACTCCCTGGTCTTCCAGCTGGAGCGCCTTGAGCAGCAGGTGCATTCTGCCTCCTCGGGG
 CCCAACAGTGGATCTGCCATTACATGTCTGGAGTCGACAGTGGTGAAGGGACACGCCTGCGAAATGTTT
 CTGTTCTTTTAAATGACACCGAACTAATCTGGCAGGAATGTATGGGAAGGTTGAAAAGCTGCTAGCTC
 CATTGACCAATTTAGTATTCGCCTGGGAATTTTCTCAGAAGATACCCCATAGCACGAGTGTTTGTAAATC
 ATCTACATGGCTTTGCTGCACCTCTGGGTATGATCGTACTGCTGACTTACTCACCAGAAATGCACCATG
 ACCAACCGTACGGCAAGTGA

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Ascl-MluI

ACCN: NM_001199004

Insert Size: 2190 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:	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:	<u>NM_001199004.1, NP_001185933.1</u>
RefSeq Size:	2847 bp
RefSeq ORF:	2190 bp
Locus ID:	27277
UniProt ID:	<u>Q9QYE6</u>
Cytogenetics:	12 E
Gene Summary:	Involved in maintaining Golgi structure. Stimulates the formation of Golgi stacks and ribbons. Involved in intra-Golgi retrograde transport (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.