

Product datasheet for **MC221165**

Golga5 (NM_013747) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golga5 (NM_013747) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Golga5
Synonyms:	Ret-II
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221165 representing NM_013747
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGTCCTGGTTGCTGATCTTGCTGGAAGGGCTGAAGATCTTTAAACCGAGTGGATCAGGGGGCTGCAA
 CAGCTCTCAGAAAGGAGAATACCAGCAACATCTTTTATAGCAAAAATACTGACTATCCTGAACTTCAGCA
 GCAAAACACAGATTCAAATTACCAGACCGGACAGAAAGCTAACTATATTTCTCAGCTGCTGATAACATC
 CGACATCAGAAAGCCACGATCCTAGCTGGCACAGCGAACGTGAAAGTCGGATCCAGGACAGTCGGGGATG
 CCACCCATCCCACCGAGCATGCGTCTGCCCTAGGCCTTCATCCCAGTTTGTTCGGAGGAAAAAATCAGA
 GCCTGATGATGAGCTGCTATTTGATTTTCTAACAGTTCCAAAAAGAGCCCACTGGGAGAGTGGAAAGTC
 AAGAAAGAGAAGGGCAGAGCTCCTGTCTCTCAAGTTCTCGTCAGGTGTGAGTTCTGTCAACACCAGTG
 TAACCACCACCAAGGCCATGGGAGGAAACGCTGGGAGCCAAAGTCTGGAGTGAACAGTTTCGGATTCTGT
 GCCTGAAGTTCATAAGGAACCTCAGAGGAGAGCACGGCCCAAGTGCCACCAGCGAGGAGCACAGCTCT
 ACACCTAGTGACGGTAGCAGCAGGTGCGAGGAGCTGTCCAATCTCCGACTGGAGAATCAGTTGCTCAGGA
 ATGAAGTCCAGTCTTTAAATCAGGAAATGGCCTCATTACTCCAGAGATCCAAAGAAACTCAGAAAGAATT
 AAATAAGGCAAGAGTAAGAGTTGAAAAATGGAATGTTGACAATTCAAAGAGCGATCGCATAACTCGAGAA
 CTGCGAGCGCAAGTAGATGACCTCACCGAAGCAGTGGCCGCAAAGGACTCCCAGCTGGCTGTCTCAAAG
 TGCGACTGCAGGAGGCTGACCAGGTGCTAAGTTCCCGCACAGAAGCACTAGAAGCCTTAAGGAGTAAAA
 GTCACGAATAATGCAGGATCACAAGGAAGTAGTAGCCTACAGAATCAAGCTCTGCAAACTCTTCAAGAG
 AGGCTGCATGAAGCTGATGCCACTCTAAGAGAGAGCAAGAGAGCTACAAACAAATGCAGAGTGAATTTG
 CTGCACGCCTTAACAAAAATGGAAGTGGACCGTCAGAACTTGGCAGAAGCAGTTACTCTGGCAGAAAGAAA
 GTACTCCGAGGAGAAGAAGAAGTTGATGAACTCCAGCAGCAAGTCAAGCTACACAGGGCAAGCTTGGAG
 TCGGCTAAGCAGGAGTTAGTTGACTACAAGCAGAAAGCTACACGGATACTCCAATCTAAAGAAAACTGA
 TCAACAGCTTAAAGGAAGGCTCAAGCTTTGAAGGCCTAGAGAGCAGCACGGCTAGCAGCATGGAATTGGA
 AGAACTTCGGCATGAGAAGGAGATGCAGAAGGAGGAGATCCAGAAGCTGATGGGCCAGATGCATCAGCTG
 AGGTCTGAGCTACAGGACATGGAGGCTCAGCAGGTTAGTGAAGCTGAATCAGCAAGAGAACAATTACAAG
 ATCTGCAAGACCAGATAGCTAAGCAGAGGACATCTAAGCAAGAGCTGGAGACGGAGCTGGAACGAATGAA
 GCAGGAATTCGCTACATGGAGGAGGATCTGCATAGAACAAGAACACACTGCAAAGCAGGATTAAGAT
 AGGGAGGAAGAAATTCAAAACTGAGGAATCAGCTTACCAACAAAACCTTAAAGCAACAGCAGCCAGTCAG
 AGCTAGAAAGCCGGCTCCATCAGCTAACGGAAACTCATCCAGAAACAGACCATGCTGGAGAGCCCTCAG
 CACAGAAAAGAACTCCCTGGTCTTCCAGCTGGAGCGCCTTGAGCAGCAGGTGCATTCTGCCTCCTCGGGG
 CCCAACAGTGGATCTGCCATTAACATGTCTGGAGTCGACAGTGGTGAAGGGACACGCCTGCGAAATGTTT
 CTGTTCTTTTTAATGACACCGAACTAATCTGGCAGGAATGATGGGAAGGTTGAAAAGCTGCTAGCTC
 CATTGACCAATTTAGTATTCGCCTGGGAATTTTCTCAGAAGATACCCCATAGCACGAGTGTGTTGTAATC
 ATCTACATGGCTTTGCTGCACCTCTGGGTGATGATCGTACTGCTGACTTACTCACCAGAAATGCACCATG
 ACCAACCGTACGGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_013747

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).

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_013747.4</u> , <u>NP_038775.1</u>
RefSeq Size:	2689 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.