

Product datasheet for MC225236

Golga4 (NM_018748) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Golga4 (NM_018748) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Golga4
Synonyms:	AI225887; AU019508; Olp-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225236 representing NM_018748 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCAAGAAGCTGAAGCAGAAGATCAGCGAGGAGCAGCAGCTGCAGCAGGCGTTAGCCCCTGCTC
AGGCTTCTCCAGCTCTTCAACACCAACAAGGACAAGAAGCAGGACATCTTCATTTACAGACCAGCTTGA
TGACGTGACACCAACAGAGAGAATGCATCAACTCAAGCAACAAAATCTCCAGATGGTGTCAAGTAAAGAT
GAGTCGTCCCCCTCTCAGTCGGGTGACACAGACTTTTGCAGCAGAAGCTCCAGCTCCGAGTACCTTCCA
TGGAGTCTCTGTTTCAAGTCCCATAAAGGAATCCCTGTTTCGGTCTTCTAAAGAGCCTTTGGTCCGGAC
GTCCTCCAGAGAGTCCTTGAACCAGCTTGACCTGGACTGTTCTGCTGCGGCCCTTTGACCCCTTCTGAT
ATGGAGAGCGAGGCTGAAGACGCACCATGGAACCTCAGACGGTCTCAGCAGAGAGCAGCTGCTTCAGCGGC
TGCGCAGAATGGAGCGAAGCCTAAGTAGCTACAGAGGGAAGTACTCCGAGCTCGTCACAGCGTTTCAGAC
TCTTCAGAGAGAGAAGAAAAAGCTTCAAGGTATATTGAGTCAGAGTCAAGATAAACTTCGGAGAATT
TCAGAATTAAGAGAGGAGCTGCAATGGACCAGCAAGCAAGAAACATCTTCAGGACGAGTTTGATGCAT
GTTTGGAGGAGAAAGATCAGTATATCAGTGTTCTCCAGACTCAGGTTTCTCTTCTAAAGCAGCGATTACA
GAATGGCCCAATGAATGTTGATGCTCCAAACCCTCCCTCCCGGGGAGCTCCAGGCAGAAGTGCACGGT
GACACGGAGAAGATGGAGGGCGTCGGGAACAGTGGGAGGTGGGACTTCCGCTAAAACCTGGAATGC
TCCAGCAAAGAGTGAAACGTGAGGAGAATCTGCTTCAGCGCTGTAAGGAGACAATTGGGTCCACAAAGGA
GCAGTGCGCACTGCTGCTGAGTGAGAAGGAGGCACTGCAGGAGCAGTTGGATGAAAGGCTGCAGGAGCTG
GAAAAGATGAAGGAGCTTCATATGGCTGAGAAGACTAACTTATCACTCAGTTGCGTGATGCAAAGAACT
TAATTGAACAGCTTGAACAAGATAAGGGGATGGTAATAACCGAGACGAAGCGGCAATGCTTGAGACCT
GGAAGTGAAGAAGATGAAATTGCTCAGCTTCGTAGTCATATCAAACAGATGACTACCGAGGAGAGGAA
CTGCGGGAACAGAAAGAAAAGTCTGAAAGAGCTGCTTTTGAGGAAGCTTGAAGAGCCTTGAGTACAGCCC
AAAAAAGTGAAGATGCACAGAGAAGATGAAGATGGAGATGGATGAACAGATGAAGGCTGTTGAGAGAGC
GAGCGAGGAGGAGCGCTCCGCCTTCAGCATGAGCTGAGTCGGGTGAGGCAGGAGGCTGCCAGCATGGCA



[View online »](#)

AAGAAGAACTCAGAAGAACAAGTTGCTGCACTCCAGAAGCTGCATGCAGAGGAGCTCGCCAGCAAAGAGC
 AGGAGCTGAGCAGGAGGCTTGAGGCCGGGAAAGGGAGCTGCAGGAGCAGATGAGAATAGCTCTCGAAAA
 GAGTCGATCAGAAATATTTGAAGCTCACCAAGAAAAAGAGCAGCAAGAATCCTTGCGCTTTAGAAGAGTTA
 GAGCTGCAGAAAAAGCCATCCTTACAGAGAGTGAAAAATAAATCCAGGAACCTTGGGCAAGAAGCAGAGG
 CTTACCGAACCAGAATTTCTGAATTGGAACCTCTTTGGAAAAAGTTTACAAGAAAGCAAAACACAGTC
 AGAGCATCTGGCTGTTTCATCTGGAAGCTGAGAAGAATAAGCACAATAAAGAACTCACAGCCCTGGCTGAG
 CAGCATAGGACAGAAGTGAGGGGCTCCAGCAGCAGCAGGACAGCCTGTGGACTGAGAGACTCCAAAGCC
 TCTCTCAGCAGCATCAGGCTGCTGTGGAGGAGCTCAGAGAGAAGTATCAGCAAGAGAAAGATGCACTACT
 GAAGGAGAAGGAGAGTCTCTTCCAGGCCACATACAAGACATGAATGAAAAGACCTTGGAGAAGCTTGAC
 AAGAAGCAAAATGGAAGTGAATCTGTCTCTTCTGAGCTGTGAGAAGCACTGAGAGCTCGGGACCAGCTTG
 CAGAGGAGCTTTCTGTCTAAGAGGTGATGCAGATAAAATGAAACAGGCTTTAGAGGCCGAGCTGGAGGA
 GCAGCGGCGTCACCACCAGCGTGAGGTTGGCAGCATCAGTGAGCAACAAGAACTAACCGTCCGCAGAGCT
 GAGAAGGCACTGAAAGATGAGCTCAGTCGGCTGGGGCTCTGCTGGACGAGAGGGACGAGCACTGAGAG
 AGCGGCAGGCCCGGTGCAGGACCTGGAAGCTCATCTTCAGAAGTCTGCCGGGAGCTCCAGCAGGCCTT
 GGCCAAACTAGATCTCTTGCACTCTGAGCAGAGCGCCGACGCGAGCAGGAGGTGCGTATGAGGAGCAG
 CTGGCCCAATGCAGCAAAAGGTGTAGACCTGGAACAGAGAAGAGCCTTCTTACCAAGCAGGTAGTGG
 AGATGGAACACACAAAAAGCATGTGTGTGAGGAATTAGATGCTCAGAGAGCTCAAGTGCAGCAGCTGGA
 GAGACAGAGGAGTGAGCTGGAGGAGAAGGTGAGTCTGCTAGCCCAGCTCCAGGACTCACAGCTCAAGAAC
 AGTACTGTGGAGAAGGAGCAGGCTCGGCAAGCCTGATGGAAAAGGAAAAACATCATCTTACAGATGCGAG
 AGGAGCAGGCCAAGGAAATCGAGATCCTCAAACAGACATTGTCTTCTAAAGAAGAGAGCATTAGTATTTT
 GCATGAAGAATATGAAACCAATTTAAAAATCAGGAAAAAGAATGAAAAAATTAAGCAGAAAGCAAAA
 GAAATGCAAGAAACAAAGAAAAAGTTGTTGGATCAGGAAGCCAACTTAAAAAGAGCTTGAAAAACTG
 TCCTAGAGCTTAGTCAGAAAGAGAAGCAGTTCAATGCGCAGATCCTGGAATGGCAGAGCTAATCAGC
 TGGAAATCAGCGACACGGTGTGAGACTGGAGGAGAACCAGAGGCGCAGAGATAGAAGCCTGACCCGGGCT
 CATCAGCGAAAACTTGATGATGTCATAGAGGCTGGGAAAAAGAAGCTGAGTCAGCAAGCTGCAGAGCTCC
 GGGACAAGCATGCAGAGCAGATGGAGGAGAAGGAGCAGGGGCTGGGAGAGCTGAGGCAGAAGGTCCGCAT
 AGTCCAGTCTGAAAAAGAGGAGCTGACTAAGGAGGTGGCGGATTGAAAGAGGCGGTGAGTGGCAGGAC
 GTGGCACTAGCTGGCTGCAGGGACAGCTGGAGCAGAAGTCTGCTGTATCGTTTCCCTTTCGGAGCGTG
 AATCTCAGCTGCAGTCACAAGTGAAAAAGCTGGAAGCTGATTTGGGTTGTTCTCTGAGTGAAGGCTTTC
 CCTTCAAGAAGAGCTGGCTGAGCTGAAACTGCTGGCAGACAAGAGTCAGCTGAGGGTCTCCGAGCTGACG
 GGCCAGGTGCAGGCTGCGGAGAAGGAGCTCCAGAGCTGTAAGTCTCTGCATGAGCTCAGCAAGAAGAGCC
 TGGAGGACAAGAGCTTGAACTCAAAAGCTTGCTTGAGGAGCTAGCATCTCAGCTAGACAGTCTGCTGTGA
 GAGAACCAAAGCTCTGTTAGAAGCCAAGACGAACGAAGTGTGCAACCGCCGTGACAAAGCCGACGCT
 ATTCTCGTAGGCTGTCCAATGCCAGCGCCACACAGCCACAGTTGGGGAGGCGCTGCTCAGGAGAATGG
 GCCAGGTTTCTGAGTTAGAAGCACAACCTTACACAGCTGACAGAGGAGCAGCGCACACTAAAGAGCTCTTT
 TCAGCAGGTTACCAATCAGCTGGAAGAGAAAGAGAAGCAGATTAGACCATGAAGGCTGACATTGAAGGT
 CTTCTCACAGAAAAAGAGCCTTACAGCAAGAAGGAGGCCAGCAGCGGACGGCGGCTCTGAGAAGGAGT
 CCTGCATCACACAGCTGAAGAAGGAGTTAGCGGAGAACATCAATGCCGTCACTACTGAGAGAAGAGCT
 GTCGGAGAAGAAGTCTGAGATTGCCAGTCTTAGCAAGCAGTTAAGTGATCTCGGTGCTCAGCTGGAGAGC
 AGCATCAGCCCGAGTGACAAGGCCGAAGCCATCTGCCCTGAGCAAGCAGCACAGGAACAAGAGCTGC
 AGCTGCAAGCTCAGCTTCAAGAGCTGTCTCTGAAAGTCGATGCTCTGAGTAAAGAGAAAAATGTCTGCCCT
 TGAGCAGGTGGATCATTGGTCCAACAAGTTCTCAGAGTGAAGAAAAAAGCACAGTCCAGACTTGCCCAG
 CACCAAGCACTATTAAGACTTGCAAGGCACAGCTAGACGTAAAAGCCACGGACGCTCGTGAGAAGGAGG
 AGCAGATATGTTTACTGAAGGAAGACCTTGATCGGCAGAATAAAAAGTTTGAATGTTTAAAAGGCGAGAT
 GGAAGTCAGGAAGAGCAAGATGGAGAAAAAGGAGTGACTTAGAGACTGCGTTAAAGACTCAGACAGCA
 AGGGTCGTTGAATTAGAAGACTGCGTTACTCAGAGGAAAAAGAAGTTGAGTCCCTAAATGAAACACTTA
 AGAATTACAACCAGCAGAGGGACACTGAGCACAGTGGGCTGGTTCAGAGACTTCAGCACTTGAAGAGTT
 GGGAGAAGAGAAAGACAACAAGTTAGGGAGGCTGAAGAGACCGTCTGAGACTACGAGAGCACGTGTCC
 TCGCTGGAAGCTGAACCTTGAAGTGTGAAGAAGGAACTAGAACATGTAATTCAGTGTGAAAAGCAGAG
 ATGGGGAGCTGAAAGCTTTAGAAGACAACTTGAGTTAGAAAGTGCTGCAAAAGTGGAGCTGAAGAGGAA
 GGCCGAGCAGAAGATCGCTGCCATCAGGAAGCAGCTCTTGCTCAGATGGAAGAGAAAACCCAGCGGTAT
 CGGAAGGACACAGAGAACCGACTGAGTGAGCTGAGTGACAATTAAGAAGAGAGAAAAGCAAGTTCACA

GCCTAGAAGACAACTTAAAAACCTGGAGAGTTCTCCACACCCAGAAGTGCCAGCGGTGTCCAGATCTAT
 GCAAAGTGTGGCAGCGTCTCCCAGCAAGAGGCTCCAGATTCCCAGGACTGCACACAAAGGCTGTAAA
 GAAAGACTCTGCATGCTGCAAGACGTTTAAAGTAAAAAGAGAAGCTGCTGCGCAGGCTGGAGCAGGGCG
 AAGGCGAGGCGAGGCCATCGCAGCCTGAGGCTCAGCACAGGGCGCTCTCTGGAAGTTAGACTGCACTAG
 AGCCAGGCAGCTTGAAGATCACGTTTTGATAGGATGTCTTCCAGAAGAACTCGAAGAAAAGATGAAATGT
 TCCTTAATTGTGTCTCAGCCCATGGGAGAAGAACTGGTAACAACACAGGGGTGAAGCAGAATTGGGCAA
 GTGTGGTTGACAGTGTTCAGAAAACCTCCAGGAAAAGGAGCTCACTTGCCAGGCCCTAGAGCAAAGGGT
 GAAAGAACTGGAGTCGGACTTAGTAAGAGAGAGGGGCGCCCATAGACTTGAAGTGAAAAAGTTGACCTTA
 AAATATGAAAAATCGCAATCTTCCAGCAAGAAATGGATGGGAAAAATAATGTGTAGAAGTGTGGAAG
 ACAGGCCCTGAGGAAAACCTCCAATCCCATGAGATCCAGTCAAACGTGGGACCGTGGACGGCCTGCGCAG
 CGACCTGGAGTCCAAGTTGACAGGAGCGGAGCGGACAAGCAGAAGCTGAGCAAGGAGGTGGCGAGGCTG
 CAGAAGGAGCTGCGAGCTCTGCGGAGGGAGCACAGCAGGAGCTGGACATCCTGAAGAGGGAGTGCAGC
 AGGAGGCCGAGGAAAAGCTCAACAGGAGCAAGAGGATCTTGAGTTGAAGCACACGTCCACTGAAGCA
 GCTGATCGGGAGTTTAAACACAACTGGCACAGAAGGAGCAGGAGCTGGAAGAACTGTCCAGGAGACC
 ATTGATAAGGCCAAGAGGTGGAAGCCGAACCTTCTGGAAGCCACCAAGAAGAGACACAGCAGTTGCATA
 GAAAGATCGCGGAGAAAGAGGATGATCTGAGAAGGACAGCCAGGAGATACGAGGAGATACTCGATGCCCCG
 TGAAGAAGAAATGACTGGCAAGTGACGGACCTGCAGACCCAGCTCGAGGAGCTCCAGAAGAAATACCA
 CAGAGGCTGGAGCAGGAGGAGAGCACCAAGGACAGTGTAACAATTTGGAGCTACAGACAACTAGCGC
 AGAAGACCACTCTGATCAGCGACTCCAAGCTGAAGGAGCAGGAGTTGAGAGAACAGGTCCATAATTTAGA
 AGACCGTTTGAAGATATGAAAGAATGCATGTGCAGCACTGTGGGGACACCTTACAAAGGTGGCAAT
 TTGTACCACACTGAGGTCTCACTCTCGGAGAACCTACCGAGTTTGAGTATTTGCGAAAAGTGATGTTTG
 AATATATGATGGGTCGCGAGACTAAGACCATGGCCAAAGTTATAACCACTGTCTGAAATTCCTGATGA
 TCAGGCTCAGAAAATTTGGAAGAGAAGATGCTCGTCTGATGTATGGTCCGAACCTCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_018748

Insert Size: 6717 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018748.3](#), [NP_061218.2](#)

RefSeq Size: 7532 bp

RefSeq ORF: 6717 bp

Locus ID: 54214

UniProt ID: [Q91VW5](#)

Cytogenetics: 9 F3

Gene Summary: Involved in vesicular trafficking at the Golgi apparatus level. May play a role in delivery of transport vesicles containing GPI-linked proteins from the trans-Golgi network through its interaction with MACF1. Involved in endosome-to-Golgi trafficking.[UniProtKB/Swiss-Prot Function]