

Product datasheet for **MC220187**

Golim4 (NM_175193) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Golim4
Synonyms:	3110027H23Rik; GIMPC; Golph4; GPP130; P138
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>MC220187 representing NM_175193
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAAACGGGATGTGCTCCCGAAAGCAGAAGCGGATCTTCCAGACGCTGCTGCTTCTCACGGTGGTCT
 TCGGCTTCCTCTATGGCGCGATGCTCTACTTGGAAGTGCAGACGCAGCTGCGCAAAGCTGAGGCAGTGGC
 GCTCAAGTACCAGCAGCACCAGGACTCTCTCTGCCCCAGTTGCAAGTTGTATATGAACACAGATCAAGA
 TTAGAGAAATCTTTGCAAAAAGAAAGGCTTGAACACAAGAAAGCAAGGAAAGATTTCCTTGTATTAAGT
 TAGAAGCACAAGAACTTAACAAAGGAAGCAAGATTCCAATAGCAGATATAGTGCATTGAATGTCCA
 ACATCAGATGCTGAAAAGTCAGCATGAGGAGCTGAGGAAGCAGCAGTACCTGGAAGAGGAACACCGG
 AAGCAAGGGGAAGACTTCAGTAGAAGCTTCAATGACCACAAGCAGAGATACCTGCAGCTTCAGAAAGAA
 AGGAACAAGAACTTTCTAAGCTAAAAGAACTGTATATAATTTGAGAGAAGAGAATAGACAATAAGAA
 AGCACACCAAGACATTCACACACAGCTTCAAGACGTCAAGACTCAAGTTGCAGAAATATAACAACGTAAA
 GATACACTGAACAGGATTCCAAGCTTTCGAAATCCTGACCCAGTCGAGCAGCAAAATGTCACCTTTCCCC
 ATGGGACTCACCTCCTCAAGGTTACAACGGAAGAGAGAAGCTGACAGGAGAGCTCAAGAGGTGCAGCC
 GAATCACGAAGCAGGGCTAGAAGATGGAAGAGAAACCTCTGTCTTCCATGCAGAAGGATGCAGGATTC
 CAGGCTCTAGAAGAGCAGAATCAAGTGAACCCAGAGAGCCAGAGGAGCGTCAAGTGAAGAGGAACACA
 GGAAGGCACTGGAGGAGGAGGAGATGGAGCAGGTGGGCGAGGCGAGCATCTGGAGGAAGAACACGACCC
 ATCACCAGAGGAGCAGGATCGAGACTGGCGGGATCAGCAGGGACAGAATGCAGCCACCTTCTGGATGGC
 CACCTCAAGCTGAGGTGGAGCATTGACCAAGGCAGCTACAACTTCCAATCCCCATATAGGAACAGT
 TGGAACAGCAGAGGCTGGCAGCGAGGAGAGATGAGGAAGCCAGCGGTGAGAGAACATCAGGAAGCCTT
 GCACCAACAGAGGCTCCATGGGCAGTTGCTAAGACAACAGCAGCAGCAACAGTTCTGGCCAGAGAGATG
 GCTCAGCAGAAGCAGGTAGCCCATGAAGATGGCCAGCAGCAGCACCAGGAGCAGCTAAGGCAGCAAGCTC
 ATTACAATGCTGTGGAGAATGACATCGCACAGGGAGTCGAGGACCAGGGAAATCCCCGAAGAAGAGGGAGG
 TGCCTATGACAGAGATAACAGCGCCAAGATGAAGTGAAGGAGACCCAGGCAACAGACAGGAACCTTCGT
 GAACCAAGGACACCAAGAAGGCGACCTGAAGTTGAAGCAGATAGGCGAGCTGTGGAGGATATAAACCCAG
 CAGATGACCCCAACAATCAAGGCGAAGATGAATTTGAGGAAGCCGAGCAAGTGAGAGAAGAAAATTTGCC
 AGAGGAAAGTGAAGAGCAAAAACAAAGCGAAGCAAGCAAGGGAATGTAGAAATGGATGAGCACTTGGTG
 ATGGCAGGGAATCCAGACCAGCAGGAGGATAATGTTGATGAGCAGTATCAGGACGAAGGAGAGGAAGAGG
 TTCAGGAAGATCTGACTGAAGAGAAAAACGGGAAATGGAGCATAATGTTGAAGAGACATATGGTGAACA
 TCCTGATGATAAGAATAATGATGGTGAAGAACAAGGAGTTCACAACAGGGCGCATCCTAAAGGAAGACAG
 GAGCATTATGAGGAGGAGGAAGATGAAGAAGACGGGCTGCTGTTGCTGAGAAATCACATCGCAGAGCTG
 AAATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_175193

Insert Size:

1968 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:	<u>NM_175193.6, NP_780402.1</u>
RefSeq Size:	4467 bp
RefSeq ORF:	1968 bp
Locus ID:	73124
UniProt ID:	<u>Q8BXA1</u>
Cytogenetics:	3 E3
Gene Summary:	Plays a role in endosome to Golgi protein trafficking; mediates protein transport along the late endosome-bypass pathway from the early endosome to the Golgi.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame exon compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.