

Product datasheet for **MC228553**

Gga3 (NM_001252067) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gga3 (NM_001252067) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gga3
Synonyms:	C230037M19Rik; mKIAA0154
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228553 representing NM_001252067
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGCGGAAGGGGAGAGCTGGAGTCCTGGCTGAATAAAGCTACCAATCCTTCCAACGCCAGG
 AAGACTGGGAATATATCATTGGTTTCTGTGATCAGATCAACAAAGAGCTTGAAGGGCCCCAGATTGCTGT
 GCGACTCTGGCCACAAGATCCAGTCTCCACAGGAATGGGAGGAGTGCAGGCCCTCACGGTGGTGGAG
 GCGTGTATGAAGAACTGTGGCAGGAGACTTCATAATGAAGTGGGAAGTCCGGTTTTGTAATGAATTAA
 TCAAAGTCGTCTCTCAAAGTACTTGGGAGACAGGGTGTCTGAAAAGGTGAAGACTAAGTGCATCGAGTT
 GCTTTTTAGCTGGACACTGGCCTTGCCGGAAGAAGCAAAGATCAAAGATGCCTACCATATGTTGAAGAGA
 CAAGGCATAGTGCAGTCGGACCCCCCATCCCCATGGATAGAACGCTGATCCCCTCTCCCCACCTCGGC
 CCAAAAACCCCGTTTTGATGATGAGGAGAAATCCAAGCTTTAGCCAGGCTGCTGAAGAGCAAGAACC
 AGATGACCTGCAAGAGGCCAACAGACTCATCAAGTCCATGGTGAAGGAAGATGAGGCTCGCATCCAGAAA
 GTGACCAAGCGTCTACACACACTGGAGGAGGTTAACAACAATGTCAAGCTGCTCCACGAGATGCTGCTTC
 ACTACAGCCAAGAGTACTCGTCAGACGCCGACAAGGAGCTCATGAAGGAGCTTTTGATCGTTGTGAGAA
 TAAGAGGCGGACGCTGTTTAAACTAGCCAGCGAGACAGAGGACAATGACAACAGTTTGGGGGACATCCTG
 CAGGCCAGTGACAACCTGTCCAGGGTCACTCAACTTTACAAAATATTATTGAAGGGCAGATCGTCAATG
 GTGAGGTGACCACCTCAACCATGCCTGACTCTGAAGGCCCTTACTGACCCCGCCCCACTGCTCCAAAGA
 GTCACCTGGAAGTAGTCAGTGGCACCTGTTCCAGAATGAACCACCATCAGATCTGGACTTCTTCACTCCC
 AGGCCAGTGCCTGCGGCCTCTGCCCTCAGATGGACCCAGCTCCCTCCCCAGTTTCTACCTCAAGTA
 TGTCCCAAGCTCCACTGCCTGCTGCCTTCCCAGTCTGTGGTCCCAGCCAGTGCACCAACCCACAGCAC
 TGGCTCCTTCATGTTCTCTTCTGGACCTGCCCCAGCCTTGGCTCCAAGGCTGAGCCCAAAGGTCCAGAA
 TACCCAGCTCCAGCACCTCGCACCCGCTAGATGCCCTTGATCAGCTTCTGGAAGAGGCCAAAGTAACT
 CAGGCTTGGTGAACCTGTTTCTTGTCTCTCTCTGGGCCACTGCCTCCCCGCTGCTGCCTGCCTCTGC
 CCCAGCCAGACCTCTCTGCCCTTCTCCACTGGGCCCGGAAGCCCTCTCTCCAGTCCCAAGGCAGCCCT
 CAGAAAGGCCAGAGCTCTCTTGGCCAGTGTCCATGTGCCCTGGAATCGATCAAGCCTAGCAGTGCC
 TTCCCGTGACAGCCTATGATAAAAATGGCTTCCGCATCCTTTTCCACTTGTCTAAGGAGTGTCCGCCAGG
 ACGGCCTGATGTGCTGGTGGTGGTGGTTTCCATGCTGAATACGGCTCCGTTGCCAGTCAAGAGCATAGT
 CTGCAGGCTGCAGTGCCCAAGTCAATGAAAGTGAAGTTGCAGCCACCCTCTGGGACAGAAGTTTCCCAT
 TTAGTCCATCCAGCCACTGCAGCCATCACCCAGGTCATGCTGCTGGCCAATCCATGAAGGAAAAGGT
 GCGGCTTCGATATAAACTGACCTTTGCTTTGGGGGAGCAGCTGAGCACAGAACTGGGTGAAGTGACCAG
 TTTCTCTGTGGAGCAGTGGGGAAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252067

Insert Size: 1923 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_001252067.1, NP_001238996.1</u>
RefSeq Size:	3469 bp
RefSeq ORF:	1923 bp
Locus ID:	260302
Cytogenetics:	11 E2
Gene Summary:	<p>Plays a role in protein sorting and trafficking between the trans-Golgi network (TGN) and endosomes. Mediates the ARF-dependent recruitment of clathrin to the TGN and binds ubiquitinated proteins and membrane cargo molecules with a cytosolic acidic cluster-dileucine (DXXLL) motif (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.</p>