

Product datasheet for **MC221055**

Gga3 (NM_173048) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Gga3 (NM_173048) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gga3 |
| Synonyms: | C230037M19Rik; mKIAA0154 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221055 representing NM_173048
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGGCGGAAGGGGAGAGCTGGAGTCCTGGTGAATAAAGCTACCAATCCTTCCAACCGCCAGG
 AAGACTGGGAATATATCATTGGTTTCTGTGATCAGATCAACAAAGAGCTTGAAGGGCCCCAGATTGCTGT
 GCGACTCTGGCCACAAGATCCAGTCTCCACAGGAATGGGAGGAGTGCAGGCCCTCACGGTGGTGGAG
 GCGTGTATGAAGAACTGTGGCAGGAGACTTCATAATGAAGTGGGGAAGTCCGGTTTTTGAATGAATTAA
 TCAAAGTCGTCTCTCAAAGTACTTTGGGAGACAGGGTGTCTGAAAAGGTGAAGACTAAGGTCATCGAGTT
 GCTTTTTAGCTGGACACTGGCCTTGCCGGAAGAAGCAAAGATCAAAGATGCCTACCATATGTTGAAGAGA
 CAAGGCATAGTGCAGTCGGACCCCCCATCCCCATGGATAGAACGCTGATCCCCTCTCCCCACCTCGGC
 CCAAAAACCCCGTTTTTGTATGATGAGGAGAAATCCAAGCTTTAGCCAGGCTGCTGAAGAGCAAGAACC
 AGATGACCTGCAAGAGGCCAACAGACTCATCAAGTCCATGGTGAAGGAAGATGAGGCTCGCATCCAGAAA
 GTGACCAAGCGTCTACACACACTGGAGGAGGTTAACAACAATGTCAAGCTGCTCCACGAGATGCTGCTTC
 ACTACAGCCAAGAGTACTCGTCAGACGCCGACAAGGAGCTCATGAAGGAGCTCTTTGATCGTTGTGAGAA
 TAAGAGGCGGACGCTGTTTAAACTAGCCAGCGAGACAGAGGACAATGACAACAGTTTGGGGGACATCCTG
 CAGGCCAGTGACAACCTGTCCAGGGTCACTCAACTTTACAAAATATTATTGAAGGGCAGATCGTCAATG
 GTGAGGTGACCACCTCAACCATGCCTGACTCTGAAGGAAACAGTCACTGTGGTAACCAAGGCGCCCTCAT
 TGACCTTGCTGAGTTGGACGCCCCCAGCAACTCGTCTCCGGCATTGGCCCCACCCACCTCAGGCATCCCC
 ATCCTCCCTCCACCCCCCAAACCTCCGGGCTCCACGAAGCCGTTATCCAGCCAGGCTGAGGCTCCCC
 CAGGGTCTGACAGCACGAACAATGCCCTCTCCTTGCTGGATGAGGAGCTCCTCTGCTTAGGCCTTACTGA
 CCCCGCCCCACTGCTCCCAAAGAGTCACTGGAAGTAGTCAGTGGCACCTGTTCCAGAATGAACCACCA
 TCAGATCTGGACTTCTTCACTCCAGGCCAGTGCCTGCGGCTCCTGCCCTCAGATGGACCCAGCTCC
 CTCCCCAGTTTCTACCTCAAGTATGTCCAAAGCTCCACTGCCTGCTGCCTTCCCAGCTCCTGTGGTCCC
 AGCCAGTGACCAACCCACAGCACTGGCTCCTTCACTGTTCTTCTGGACCTGCCCCAGCCTTGGCTCCA
 AAGGCTGAGCCCAAAGTCCAGAATACCCAGCTCCAGCACCTCGCACCCCTAGATGCCCTTGATCAGC
 TTCTGGAAGAGGCCAAAGTAACCTCAGGCTTGGTGAACCTGTTTCTTGTCTCTCCTGGGCCACTGC
 CTCCCCGCTGCTGCCTCTGCCCCAGCCAGACCTCTCCTGCCCTTCTCCACTGGGCCCGGAAGCCCT
 CTCTCCAGTCCCAAGGCAGCCCTCAGAAAGGCCAGAGCTCTCCTTGGCCAGTGTCCATGTGCCCTGG
 AATCGATCAAGCCTAGCAGTGCCTTCCCGTGACAGCCTATGATAAAAATGGCTTCCGCATCCTTTTCCA
 CTTTGCTAAGGAGTGTCGCCAGGACGGCTGATGTGCTGGTGGTGGTGGTTCCATGCTGAATACGGCT
 CCGTTGCCAGTCAAGAGCATAGTGTGCAGGCTGCAGTGCCCAAGTCAATGAAAGTGAAGTTGCAGCCAC
 CCTCTGGGACAGAAGTTTCCCCATTTAGTCTATCCAGCCACCTGCAGCCATCACCCAGGTCATGCTGCT
 GGCCAATCCAATGAAGGAAAAGGTGCGGCTTCGATATAAACTGACCTTTGCTTTGGGGGAGCAGCTGAGC
 ACAGAAGTGGGTGAAGTGGACAGTTTCTCCTGTGGAGCAGTGGGGGAACCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_173048
Insert Size: 2157 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).

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| 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_173048.3</u> , <u>NP_766636.2</u> |
| RefSeq Size: | 3703 bp |
| RefSeq ORF: | 2157 bp |
| Locus ID: | 260302 |
| UniProt ID: | <u>Q8BMI3</u> |
| 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 (1) represents the longer transcript and encodes the longer isoform (1).</p> |