

Product datasheet for **MC217904**

Gga2 (BC057377) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gga2 (BC057377) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gga2
Synonyms: 1200007E24Rik; mKIAA1080
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC057377
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGAGCATGTACCGAAGGCCAGGTCATGCCCTGCCGACCAGCAGGCCCTGCAGGTTGTGTATGAAA
GATGTGAGAAGCTGAGGCCACCCTGTTCCGGCTTGAAGCGACACCCTGATGACGACGATGCTCTGGC
GGAGATTTCAAGCAAATGACCTTCTCACACAGGGGTTCCGGCTGTACAACAGGTGGTGGAGGGCCGA
GTTAGTGCTGGGAACGCAGTGCCTGCCGAGTGGGAGCCATTCCC GCCCCAGAGCATTCCCGAATCCAG
AACCTGTGGGTTGAACTGTCCACTCATTGACCTGGAGACGCCATCTTTGCTTCATCAGGACCTGGCAGC
CTTAGGAATCAACGATGTTCCACTAGGAACAGGTTGTTATTCCGAGTTGCTGTAATGACAAGAAGCAG
CCGGGTGCCATCACACTCATGGGGGTGGAATCCAGAGTCTTTCTGCAGACCGGAACCTGCTGGATCTCT
TCTCGCCACAGCCATCTCCAGGACTGAATTATGTTCCAAAAAAGCATCCCCAAGGAGGTGCCACCAGG
TACCAAGGCTCTCCAGGTTGGTCTGGGAGGCTGGGCCATTGGCTTCTCCACAGCCTCACAGAATACA
CCTCTGGCTCATGTGTTGTCCCTTTGGAGTCTGTGAAACCCAGCAGCTTGCCGCCAATTGTCGTATG
ACCGAATGGCTTCCGAATTCTGCTGCACTTCTCCAGACTGGGGCCCTGGCCACCCGGATGTGAAGGT
GTTGTTGTTGACCATGATGAGCACTGCCACCAACCTGTCTGGGATGTCATGTTTCAGGTGGCTGTCCCA
AAGTCAATGCGAGTGAAGCTGCAGCCGGCATCCAGCTCCAAGCTCCCTGCATTGATCCTTTGATGCCTC
CAGCAGTGATATCTCAGACGCTGTTGCTCGACAACCCACAAAAGAACCTATCCGGTTGCGGTATAAGCT
GACTTTCAACCAAGGTGGGCAGCCGTTCAAGTAGGAGAGGTGAAAGACTTTCCAGACCTGGCTGTC
TTGAGCACCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC057377



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|-------------------------------|---|
| Insert Size: | 1065 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>BC057377</u> , <u>AAH57377</u> |
| RefSeq Size: | 2370 bp |
| RefSeq ORF: | 1064 bp |
| Locus ID: | 74105 |
| Cytogenetics: | 7 F2 |
| Gene Summary: | 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. Mediates export of the GPCR receptor ADRA2B to the cell surface. Regulates retrograde transport of phosphorylated form of BACE1 from endosomes to the trans-Golgi network.[UniProtKB/Swiss-Prot Function] |