

Product datasheet for **MC219483**

Gga2 (NM_028758) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gga2 (NM_028758) 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



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Fully Sequenced ORF: >MC219483 representing NM_028758
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGCGACGGCAGTGGCAGCGGGACCGGATCCCCGGCAGGGACCGAGTCGGCGGAGGGCGGCCCTG
 GGGCAGCGCGCGCTGGAGCTGTGGCTCAACAAAGCCACAGACCAAGCATGGCGGAGCAGGATTGGTC
 AGCCATCCAGAAGTTCTGTGAGCAGGTGAACACCGACCCAGTGGCCCGACACATGCACCCTGGCTACTG
 GCCACAAGATTCACTCCACAGGAGAAGGAAGCCCTTTATGCCCTGACGGTGTGGAGATATGCATGA
 ACCACTGTGGGAGAAGTCCACAGTGAAGTGGCCAAGTCCGCTTCTGAACGAGCTGATCAAAGTATT
 GTCCCCAAAGTACCTAGGGCCCTGGGCTACGGAGAAGGTTAAAGGAAGAGTTATTGAAATCCTCTTAGC
 TGGACCGTCTGGTTCCGGAAGACATCAAGATCCGAGATGCTTATCAGATGCTGAAGAAGCAAGGAATCA
 TAAAGCAAGATCCAAACTACCGATGGATAAAATCTTGCCCCACCGTCTCCCTGGCCGAAGAGCATCTT
 TGATGCTGATGAGGAGAAGTCAAAGCTTCTGACAAGACTTCTCAAGAGTAACCACCTGAGGATCTTCAG
 GCTGCAAACCGGCTGATCAAGAAATTTGGTCAAGGAAGAACAAGAGAAGTCTGAAAAGGTGTCAGGCGAG
 TCAGTGCAGTAGAGGAAGTCCGCAGCCAGTGAAGGTGCTTCGGGAGATGCTGAGCATGTACCGAAGGCC
 AGGTATGCCCTGCCCGACCGAGGCCCTGCAGGTTGTGTATGAAAGATGTGAGAAGCTGAGGCCACCC
 CTGTTCCGGCTTGCAAGCGACACCACTGATGACGACGATGCTCTGGCGGAGATTCTCAAGCAAATGACC
 TTCTCACACAGGGGTTCCGGCTGTACAACAGGTGGTGGAGGGCCGAGTTAGTGTGGGAACGCAGTGCC
 TGCCCGAGTGGGAGCCATTCCCGCCCCAGAGCATTCCCGAATCCAGAACCCTGTGGGTTGAACTGTCCA
 CTCATTGACCTGGAGACCCATCTTTGCTTCATCAGGACCTGGCAGCCTTAGGAATCAACGATGTTCCCA
 CTAGGAACCAAGTTGTTATCCGAGTTGCTGTAATGACAAGAAGCAGCCGGGTGCCATCACACTCATGGG
 GGGTGGAAATCCAGAGTCTTTCTGCAGACCGGAACCTGCTGGATCTTCTCGCCACAGCCATCTCCAGGA
 CTGAATTATGTTCCACAAAAAGCATCCCCAAGGAGGTGCCACCAGGTACCAAGGCCTCTCCAGGTTGGT
 CCTGGGAGGCTGGGCCATTGGCTTCTTCCACAGCCTCACAGAATACACCTCTGGCTCATGTGTTTGTCCC
 TTTGGAGTCTGTGAAACCCAGCAGCTTGCCGCCATTGTCGTGTATGACCGGAATGGCTTCCGAATTCTG
 CTGCACTTCTCCAGACTGGGGCCCTGGCCACCCGGATGTGAAGGTGTTGTTGTTGACCATGATGAGCA
 CTGCCACCAACCTGTCTGGGATGTCATGTTTCAGGTGGCTGTCCCAAAGTCAATGCGAGTGAAGCTGCA
 GCCGCATCCAGCTCAAGCTCCCTGCATTGATCCTTTGATGCCTCCAGCAGTATATCTCAGACGCTG
 TTGCTCGACAACCCACAAAAGAACCTATCCGGTTGCGGTATAAGCTGACTTTCAACCAAGTGGGCAGC
 CGTTCAGTGAAGTAGGAGAGGTGAAAGACTTTCCAGACCTGGCTGTCTTGAGCACCGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_028758
- Insert Size:** 1812 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.

RefSeq: [NM_028758.2](#), [NP_083034.1](#)

RefSeq Size: 4891 bp

RefSeq ORF: 1812 bp

Locus ID: 74105

UniProt ID: [Q6P5E6](#)

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]