

## Product datasheet for **MC215784**

### **Gabra6 (NM\_008068) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabra6 (NM_008068) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gabra6
Synonyms:	alpha6; GABA-ARalpha6; Gabra-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC215784 representing NM\_008068  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTCTTGCTTCTCCCCTGGCTCTTCATTATTCTATGGCTAGAAAATGCCCAAGCTCAACTTGAAGATG  
 AAGGCAACTTCTACTCTGAAAATGTCAGTCGGATTCTTGACAACCTGCTGGAAGGCTATGACAACCGTCT  
 ACGGCCAGGATTTGGGGGTGCTGTAAACAGAAGTCAAACAGACATCTATGTGACCAGCTTTGGACCTGTG  
 TCAGATGTGGAGATGACTTGGACTGATGAGAGACTGAAATTTAAAGGCCCTGCTGAGATTCTGAGCTTAA  
 ATAACCTTGATGGTCAGTAAGATCTGGACTCCTGACACTTTTTCCGGAATGGGAAAAAGTCAATTGCTCA  
 CAACATGACCACCCCAACAAGCTCTCCGATTAATGCAGAATGGAACAATCCTCTATACCATGAGGCTC  
 ACCATCAACGCTGATTGCCCATGAGATTGGTTAACTTCCCTATGGATGGACACGCTTGCCACTCAAGT  
 TTGGGAGCTATGCTTATCCTAAAATGAAATCATATACATGGAAAAAGGACCACTTTACTCAGTAGA  
 AGTCCCAGAAGAATCTTCTAGCCTCCTCCAGTATGATTTGATTGGCAAACAGTTTCTAGTGAGACAATT  
 AAATCTAACACTGGTGAATATGTAATCATGACAGTCTATTTCCACTTACAAGGAAGATGGGCTATTCA  
 TGATCCAGATATACACTCCGTGCATCATGACAGTCATTCTTTCTCAAGTGCTTTTCTGGATTAATAAGGA  
 GTCAGTCCCAGCAAGAACTGTCTTTGGAATCACCCTGTTTTAACCATGACCACCTTAAGCATCAGTGCT  
 CGGCACCTCTACCCAAAGTGTCTATGCAACCGCCATGGATTGGTTCATAGCTGTATGCTTTGCTTTTG  
 TCTTTTCTGCTCTCATTGAATTCGCAGCTGTCAACTACTTACCAATCTCCAGTCACAGAAGGCTGAAAG  
 GCAGGCACAACTGCAGCCACGCCCCGTGGCAAAGTCAAAGCGTCTGAATCCCTGCAAGCAGAGATT  
 GTTGTGCATTCTGACTCCAAGTACCATCTGAAGAAGAGAATCAGCTCTGACTTTGCCCATCGTTCCAT  
 CTTCTGAGGCCAGCAAAGCCCTCAGTAGAAGCCCATCTTAAATCGACGCTGTCTCCCCATTGCT  
 CTTACCAGCCACTGGGGCACCAGCAAAATAGATCAGTATTCTCGAATTCTTCCAGTAGCTTTTGCA  
 GGATTAACCTTGTGACTGGATAGTTTACCTTCCAAAGATACAATGGAAGTGAGCAGTACTGTTGAGT  
 AG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_008068
- Insert Size:** 1332 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\\_008068.3](#), [NP\\_032094.2](#)

RefSeq Size: 2475 bp

RefSeq ORF: 1332 bp

Locus ID: 14399

UniProt ID: [P16305](#)

Cytogenetics: 11 25.03 cM

**Gene Summary:** GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) has an alternate splice site in the 5' coding region but maintains the reading frame, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.