

Product datasheet for **MC218772**

Gabra4 (NM_010251) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabra4 (NM_010251) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gabra4
Synonyms:	Gabra-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218772 representing NM_010251
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTTCTGTCCAGAAGGTACCCGCGATTGCGCTGTGCTCCGGGTGAGCCTCGCCTCCTGCACTTCC
 TGTGCCTGGCGGCTTGTAAACGAATCCCAGGACAGAACTCAAAGGACGAGAAATTGTGCCCGGAAAA
 TTTACCCGTATTCTGGACAGTTTGTGGATGGTTATGACAACAGGCTGCGTCTGGATTGGGGTCTCT
 GTTACAGAAGTAAAACTGATATATATGTACCAGCTTTGGGCCGTTTCTGATGTTGAAATGGAATACA
 CTATGGATGTGTTCTTACAGACAGACATGGATTGACAAAAGACTAAAAATGACGGCCCAATTGAAATCTT
 GAGGCTGAATAATATGATGGTACCAAAGTTTGGACCCCTGATACTTTCTCAGGAATGGAAGAAATCT
 GTCTCACATAACATGACAGCTCAAATAAGCTTTTGAATTATGAGAAATGGCACTATTTATACACAA
 TGAGACTACCATAAGTGGGAGTGCCCATGAGACTGGTGGATTTTCTATGGATGGTCATGCCTGCC
 TTTGAAATTTGGGAGTTATGCATATCCAAAAGTGAGATGATCTACACCTGGACCAAAGGCCCTGAGAAG
 TCAGTGGAGGTGCCAAAGGAGTCTTCTAGCTTAGTTCAATATGACCTATTGGGCAGACTGTATCAAGCG
 AGACTATCAAATCTATTACAGGTGAATACATTGTTATGACGGTTACTTCCACCTCAGACGGAAGATGGG
 CTACTTTATGATTACAGCTATATCCCATGCATCATGACAGTGATTCTTTCTCAAGTTTCTTCTGGATA
 AACAAAGGAGTCTGTTCCAGCTAGAACTGTATTTGGAATAACCACAGTCTCAGATGACCACCCTAAGCA
 TCAGTGCCTCGGCATTCTTTGCCAAAAGTGCCTATGCGACTGCCATGGATTGGTTCATAGCTGTCTGTT
 TGCTTTTGATTTTCGGCTCTTATTGAGTTTGTGCTGTCAACTATTTACCAACATTCAAATGCAGAAA
 GCCAAAAAGAAGATATCAAAGCTCCCCAGAAGTCCAGTGCCTGTGCTGAAGGAGAAACACACAG
 AAACATCCCTTCAAGATACACATGCCAATTTGAACATGAGGAAAAGAACAATGCCTTGGTCCATTGAGA
 ATCGGATGTCAAAGCAGAAGTGGGAAATCACTCCAGCAAGACCAGCGCTGTCCAGGAGTCTTCT
 GAAGCCACGCCTAAGGCTCACTTAGCTTCCAGTCCAAATCCATTACAGCAGGCAATGCAGCTGAGACTA
 TGTCTGCTGCAGCCAGAGGTCTTTCATCTGCAGCATCCCCCTCTCCTCATGGCACATTGCGGCCAGCTTC
 TTTGGGTGAGCTTCCACTCGCCTGCATTTGGATCTAGACTTGGGCGAATTAAGACAACAGTTAATACA
 ACAGGGGCTGCTGGGAATGTGTCAGCCACACCTCCTCCCCCTGCTCCACCGCCTTCTGGATCTGGACAA
 GAAAAATAGACAAATATGCTCGTATTCTTTCCAGTACATTTGGAGCATTTAACATGGTCTACTGGGT
 TGTTTATTATCTAAGGACACCATGGAGAAATCAGAAAGTCTAATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_010251

Insert Size: 1659 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_010251.2](#), [NP_034381.1](#)

RefSeq Size: 4123 bp

RefSeq ORF: 1659 bp

Locus ID: 14397

UniProt ID: [Q9D6F4](#)

Cytogenetics: 5 C3.2

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]