

Product datasheet for **MR208763**

Gabra4 (NM_010251) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR208763 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTTCTGTCCAGAAGGTACCCGCGATTGCGCTGTGCTCCGGGTGAGCCTCGCCCTCTGCACTTCC
 TGTGCCTGGCGGCTTGTTTAAACGAATCCCAGGACAGAAGCTCAAAGGACGAGAAATTGTGCCCGGAAAA
 TTTTACCGTATTCTGGACAGTTTCTGGATGTTATGACAACAGGCTGCGTCTGGATTGGGGTCTCT
 GTTACAGAAGTAAAACTGATATATATGTACCAGCTTTGGGCCGTTTCTGATGTTGAAATGGAATACA
 CTATGGATGTGTTCTTACAGACAGACATGGATTGACAAAAGACTAAAAATGACGGCCCAATTGAAATCTT
 GAGGCTGAATAATATGATGGTACCAAAGTTTGGACCCCTGATACTTTCTCAGGAATGGAAGAAATCT
 GTCTCACATAACATGACAGCTCAAATAAGCTTTTGAATTATGAGAAATGGCACTATTTATACACAA
 TGAGACTACCATAAGTGGGAGTGCCCATGAGACTGGTGGATTTTCTATGGATGGTCATGCCTGCC
 TTTGAAATTTGGGAGTTATGCATATCCAAAAGTGAATGATCTACACCTGGACCAAAGGCCCTGAGAAG
 TCAGTGGAGGTGCCAAAGGAGTCTTCTAGCTTAGTTCAATATGACCTATTGGGCAGACTGTATCAAGCG
 AGACTATCAAATCTATTACAGGTGAATACATTGTTATGACGGTTACTTCCACCTCAGACGGAAGATGGG
 CTACTTTATGATTACAGCTATATCCCATGCATCATGACAGTGATTCTTTCTCAAGTTTCTTCTGGATA
 AACAAAGGAGTCTGTTCCAGCTAGAACTGTATTTGGAATAACCACAGTCTCAGATGACCACCCTAAGCA
 TCAGTGCCTCGGCATTCTTTGCCAAAAGTGCCTATGCGACTGCCATGGATTGGTTCATAGCTGTCTGTT
 TGCTTTTGATTTTCGGCTCTTATTGAGTTTGTGCTGTCAACTATTTACCAACATTCAAATGCAGAAA
 GCCAAAAAGAAGATACAAAGCTCCCCAGAAGTTCCAGCTGCTCTGTGCTGAAGGAGAAACACACAG
 AAACATCCCTTCAAGATACACATGCCAATTTGAACATGAGGAAAAGAACAATGCCTTGGTCCATTGAGA
 ATCGGATGTCAAAGCAGAAGTGGTGGGAAATCACTCCAGCAAGACCAGCGCTGTCCAGGAGTCTTCT
 GAAGCCACGCCTAAGGCTCACTTAGCTTCCAGTCAAATCCATTACGACGGCAAATGCAGCTGAGACTA
 TGTCTGCTGCAGCCAGAGGTCTTTCATCTGCAGCATCCCCCTCTCCTCATGGCACATTGCGGCCAGCTTC
 TTTGGGTGAGCTTCCACTCGCCCTGCATTTGGATCTAGACTTGGGCGAATTAAGACAACAGTTAATACA
 ACAGGGGTGCTGGGAATGTGTCAGCCACACCTCCTCCCCCTGCTCCACCCTTCTGGATCTGGCACAA
 GAAAAATAGACAAATATGCTCGTATTCTTTCCAGTCACTTTGGAGCATTTAACATGGTCTACTGGGT
 TGTTTATTATCTAAGGACACCATGGAGAAATCAGAAAGTCTAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208763 protein sequence
 Red=Cloning site Green=Tags(s)

MVSVQKVPAILCSGVSLALLHFLCLAACLNESPGQNSKDEKLCPENFTRILDLSLLDGYDNRLRPGFGGP
 VTEVKTDIYVTSFGPVSDVEMEYTMDFFRQTWIDKRLKYDGPPIELRLNMMVTKVWTPDFFRNGKKS
 VSHNMTAPNKLFRIMRNGTILYTMRLTISAECPMRLVDFPMDGHACPLKFGSYAYPKSEMIYTWKGPKEK
 SVEVPKESSSLVQYDLIGQTVSSETIKSITGEYIVMTVYFHLRRKMGYFMIQTYIPCIMTVILSQVSWFI
 NKESVPARTVFGITTVLTMTLISARHSLPKVSYATAMDWFIACFAVFSALIEFAAVNYFTNIQMOK
 AKKKISKPPPEVPAAPVLKEKHTETSLQNTANLNMKRRTNALVHSESDVKSRTVEGNHSSKTSAVQESS
 EATPKAHLASSPNPFSRANAETMSAAARGLSSAASPSPHGTLRPASLGSASTRPAFGSRLGRIKTTVNT
 TGAAGNVSATPPPPAPPPSGSGTSKIDKYARILFPVTFGAFNMVYVVVYLSKDTMEKSESLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_010251

ORF Size: 1659 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

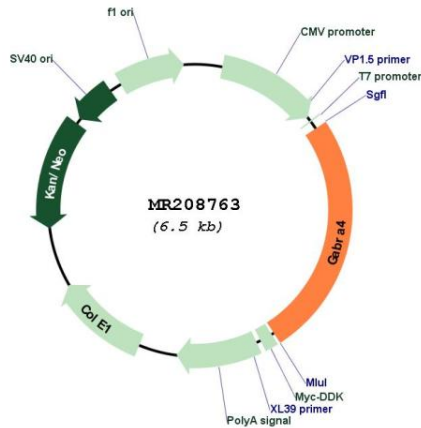
UniProt ID: [Q9D6F4](#)

Cytogenetics: 5 C3.2

MW: 60.9 kDa

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]

Product images:



Circular map for MR208763