

## Product datasheet for **MR207400**

### Gabra5 (NM\_176942) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gabra5 (NM_176942) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabra5
Synonyms:	A230018I05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207400 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACAATGGAATGCTCTCTAGATTTATCATGACCCAAACCCTCCTTGTCTTCTGTATTCCATGACCT  
 TATCCAGTCACTTTGGCTTTTCGCAAATGCCAACTAGTTCTGTACAAGACGAGACCAATGACAACATCAC  
 AATATTACCAGGATCTTGGACGACTCTTGGATGGCTATGACAACAGACTGCGGCTGGGCTGGGAGAG  
 CGAATCACGCAGGTGCGAACAGACATCTATGTTACCAGCTTTGGCCAGTGTCTGACACGAAATGGAAT  
 ATACCATCGATGTGTTTTCCGGCAAAGCTGGAAGATGAAAGGCTGCGGTTAAGGGCCCCATGCAACG  
 CCTCCCTCTCAACAACCTTCTTGCAGCAAAATCTGGACTCCAGACAGTTCTTCCACAACGGAAGAAG  
 TCCATTGCACACAACATGACGACACCAACAAGCTGCTGAGGCTGGAGGATGATGGCACACTTCTCTACA  
 CCATGCGTCTGACAATCTCTGCTGAGTGCCCAATGCAGCTTGAGGACTTCCAATGGATGCCATGCCTG  
 TCCCTGAAATTTGGCAGTTATGCTTACCCTAATTCTGAAGTTGTCTATGTTGGACCAATGGCTCCACC  
 AAGTCTGTGGTGGTGGCAGAAGATGGCTCCAGGCTCAACCACTACCACTCATGGGGCAGACAGTAGGCA  
 CTGAGAACATCAGCACCAGCACAGGTGAATATACGATCATGACTGCTCACTTCCACCTGAAGAGGAAGAT  
 AGGCTACTTTGTCATCCAGACCTACCTCCCTGCATCATGACTGTCTATCCAGGTGTCCTTTTGG  
 CTAATCGAGAATCTGTCCAGCTAGGACAGTTTTTGGAGTGACCACAGTGTGACCATGACAACACTCA  
 GCATCAGTGCCCGGAATTCGCTGCCAAAGTGGCTATGCCACAGCCATGGACTGGTTTATTGCTGTCTG  
 CTATGCATTTGCTTCTCTGCTCTGATTGAATTTGCCACAGTCACTACTTTACAAGAGAGGATGGGCC  
 TGGGATGGCAAGAAAGCCCTGGAAGCAGCTAAAATAAAGAAAAAAGAACGCGAACTCATACTAAATAGT  
 CAACAAATGCTTTTACAACCTGGAAGCTGACCCATCCTCCAACATCCAAAAGAGCAGCTCCAGCTGG  
 GACCGCGAATGCACCCACAGTCTCCATCAAAGCTTCTGAAGAGAAGACTGCGGAGAGTAAAAAGACATAC  
 AACAGCATCAGCAAGATCGACAAAATGTCCCGATTGTGTTCCCATCTTGTGGCACTTCAACTTAG  
 TTTACTGGCAACATATTTGAATAGAGAGCCCGTGATAAAAGGGGCCACCTCTCCAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207400 protein sequence  
 Red=Cloning site Green=Tags(s)

MDNGMLSRFIMTQTLVFCISMTLSSHFGFSQMPTSSVQDETNDNITIFTRILDGLLDGYDNRLRPLGLGE  
 RITQVRTDIYVTSFGPVSDEMEYTIIDVFRQSWKDERLRFKQPMQRLPLNLLASKIWTPTFFHNGKK  
 SIAHNMTTPNKLLRLEDDGTLTYMRLTISAECPMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWNGST  
 KSVVVAEDGSRLNQYHLMGQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVILSQVSW  
 LNRESVPARTVFGVTTVLTMTTLLSISARNLSPKVAYATAMDWFIAVCYAFVFSALIEFATVNYFTKRGWA  
 WDGKKALEAAKIKKKERELILNKSTNAFTTGKLTHTPPNIPKEQPPAGTANAPTIVSIKASEEKTAESKKT  
 YNSISKIDKMSRIVFPILFGTFNLVYWATYLNREPVIKATSPK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_176942

**ORF Size:** 1392 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\\_176942.4](#)

**RefSeq Size:** 2674 bp

**RefSeq ORF:** 1392 bp

**Locus ID:** 110886

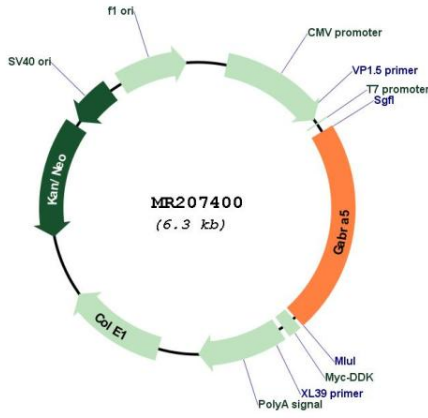
**UniProt ID:** [Q8BHJ7](#)

**Cytogenetics:** 7 33.52 cM

**MW:** 52.3 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 MR207400