

Product datasheet for **MG207400**

Gabra5 (NM_176942) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabra5 (NM_176942) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gabra5
Synonyms:	A230018I05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207400 representing NM_176942
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACAATGGAATGCTCTCTAGATTTATCATGACCCAAACCCTCCTTGTCTTCTGTATTCCATGACCT
 TATCCAGTCACTTTGGCTTTTCGCAAATGCCAACTAGTTCTGTACAAGACGAGACCAATGACAACATCAC
 AATATTACCAGGATCTTGGACGACTCTTGGATGGCTATGACAACAGACTGCGGCTGGGCTGGGAGAG
 CGAATCACGCAGGTGCGAACAGACATCTATGTTACCAGCTTTGGCCAGTGTCTGACACGGAAATGGAAT
 ATACCATCGATGTGTTTTCCGGCAAAGCTGGAAGATGAAAGGCTGCGGTTTAAGGGCCCCATGCAACG
 CCTCCCTCTCAACAACCTTCTTGCAGCAAAATCTGGACTCCAGACAGTTCTTCCACAACGGCAAGAAG
 TCCATTGCACACAACATGACGACACCAACAAGCTGCTGAGGCTGGAGGATGATGCCACACTTCTCTACA
 CCATGCGTCTGACAATCTCTGCTGAGTGCCCAATGCAGCTTGAGGACTTCCAATGGATGCCATGCCTG
 TCCCTGAAATTTGGCAGTTATGCTTACCCTAATTCTGAAGTTGTCTATGTTTGGACCAATGGCTCCACC
 AAGTCTGTGGTGGTGGCAGAAGATGGCTCCAGGCTCAACCACTACACCTCATGGGGCAGACAGTAGGCA
 CTGAGAACATCAGCACCAGCACAGGTGAATATACGATCATGACTGCTCACTTCCACCTGAAGAGGAAGAT
 AGGCTACTTTGTCATCCAGACCTACCTCCCTGCATCATGACTGTCTATCCAGGTGTCCTTTTGG
 CTAATCGAGAATCTGTCCCAGCTAGGACAGTTTTTGGAGTGACCACAGTGTGACCATGACAACACTCA
 GCATCAGTGCCCGGAATTCGCTGCCAAAGTGGCTATGCCACAGCCATGGACTGGTTTATTGCTGTCTG
 CTATGCATTTGCTTCTCTGCTCTGATTGAATTTGCCACAGTCACTACTTTACAAGAGAGGATGGGCC
 TGGGATGGCAAGAAAGCCCTGGAAGCAGCTAAAATAAAGAAAAAAGAACGCGAATCATACTAAAATAGT
 CAACAAATGCTTTTACAACCTGGAAGCTGACCCATCCTCCAACATCCAAAAGAGCAGCCTCCAGCTGG
 GACCGGAATGCACCCACAGTCTCCATCAAAAGCTTCTGAAGAGAAGACTGCGGAGAGTAAAAAGACATAC
 AACAGCATCAGCAAGATCGACAAAATGTCCCGATTGTGTTCCCATCTTGTGGCACTTCAACTTAG
 TTTACTGGCAACATATTTGAATAGAGAGCCCGTGATAAAAGGGGCCACCTCTCCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207400 representing NM_176942
 Red=Cloning site Green=Tags(s)

MDNGMLSRFIMTQTLVFCISMTLSSHFGFSQMPTSSVQDETNDNITIFTRILDGLLDGYDNRLRPLGLGE
 RITQVRTDIYVTSFGPVSDEMEYIDVFFRQSWKDERLRFKQPMQRLPLNLLASKIWTPTFFHNGKK
 SIAHNMTTPNKLLRLEDDGTLTYMRLTISAECPMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWNGST
 KSVVAEDGSRLNQYHLMGQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVILSQVSW
 LNRESVPARTVFGVTTVLTMTTLSISARNSLPKVAYATAMDWFIAVCYAFVFSALIEFATVNYFTKRGWA
 WDGKKALEAAKIKKRELILNKSTNAFTTGKLTHTPPNIPKEQPPAGTANAPTVSIAKASEEKTAESKKT
 NSISKIDKMSRIVFPILFGTFNLVYWATYLNREPVIKATSPK

TRTRPLE - GFP Tag - V

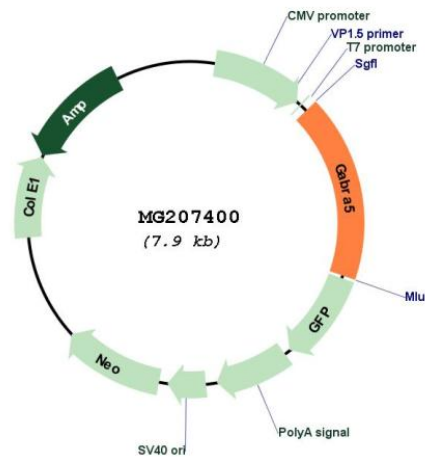
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_176942

ORF Size: 1389 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:	<ol style="list-style-type: none">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:	2676 bp
RefSeq ORF:	1392 bp
Locus ID:	110886
UniProt ID:	Q8BHJ7
Cytogenetics:	7 33.52 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]