

Product datasheet for **MG225475**

Gabra3 (NM_008067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabra3 (NM_008067) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gabra3
Synonyms:	Gabra-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225475 representing NM_008067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATAATCACACAAATGTGGCACTTTTATGTGACCAGAGTTGTACTTCTCTCCTGATTAGTATTCTCC
 CTGGAACCACTAGCCAAGGGGAATCAAGACGACAAGAACCCTGGGACTTTGTGAAACAAGATATTGGAGG
 ACTCTCTCCCAAGCATGCCCCAGATATTCTGACGATAGTACAGATAATATCACTATCTTCACTAGAATC
 TTGGATCGGCTTTTGGATGGCTATGATAACCGGCTTCGACCTGGACTTGGAGATGCAGTACTGAAGTGA
 AGACAGACATCTATGTGACCAGTTTGGCCCTGTGTCAGACACTGATATGGAATAACTATTGATGTATT
 TTTTAGACAGACATGGCATGATGAAAGACTGAAATTTGATGGACCAATGAAGATCCTTCCACTGAACAAT
 CTTCTGGCTAGTAAGATATGGACTCCTGATACCTTCTCCACAATGGTAAAAATCAGTGGCTCACAAAT
 TGACCACACCAACAAGCTGCTCAGACTGGTAGATAATGGACCCTCCTCTATACAATGAGGTTAACAAAT
 ACACGCTGAATGCCCATGCATTTGGAAGATTTCCCATGGATGTGCATGCCTGCCACTGAAGTTTGGGA
 AGCTATGCCTATACCAAAGCTGAAGTAATTTATCTTGGACTCTTGGGAAGAACAATCTGTGGAAGTAG
 CACAGGATGGCTCACGCCTGAATCAGTATGACTTGCTTGCCATGTTGTTGGGACAGAGATAATCCGGTC
 TAGTACAGGAGAAATATGTCGTCATGACAACCCACTTTCATCTGAAGAGAAAAATTGGCTACTTTGTCATC
 CAGACCTACTTGGCATGTATCATGACTGTCATTCTGTCACAAGTGTCTTCTGGCTTAATAGAGAATCTG
 TCCCTGCCCGCACAGTCTTTGGTGTACCACCTGTTCTCACCATGACCACCTTGGATATCAGTGCCAGAAA
 CTCTTTACCTAAAGTGGCATACGCGACGGCCATGGACTGGTTCATGGCCGTCTGTTATGCCTTTGTATTT
 TCTGCACTGATTGAATTTGCTACTGTCACTACTTCCCAAGCGAGTTGGGCTTGGGAAGGCAAGAAGG
 TACCAGAGGCCCTGGAGATGAAGAAGAAAAACACCAGACTCCAACAAAGAAAAACACCACCTTCAACAT
 AGTGGGTACCACCTATCCTATCAATCTGGCCAAGGATACGAGTTCTCCACCATCTCCAAGTCTGCTGCT
 GCTCCAGTGCTTCTCAACTCCAACAGCGATTGCTTCAACCAAGGCTACTTATGTGCAAGACAGTCTGT
 CTGAGACCAAGACCTACAACAGTGTGCAAGGTTGACAAAATTTCCCGCATCATCTTCCCTGTGCTCTT
 TGCCATATTCAATCTTGTCTATTGGGCTACATATGTGAACCGGGAATCAGCTATCAAGGGCATGATCCGC
 AAACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225475 representing NM_008067
 Red=Cloning site Green=Tags(s)

MIITQMWHFYVTRVLLLLISILPGTTSQGESRRQEPGDFVKQDIGGLSPKHAPDIPDDSTDNITIFTRI
 LDRLLDGYDNRLRPGLGDAVTEVKTDIYVTSFGPVSDTMEYTIIDVFFRQTWHERLKFDPMPKILPLNN
 LLASKIWPDTFFHNGKKSVAHNMTTPNKLLRLVDNGLLTYMRLTIHAECPMHLEDPPMDVHACPLKFG
 SYAYTKAEVIYSWTLGKNKSVEVAQDGSRLNQYDLLGHVVGTEIIRSSTGEYVVMTHFHLKRKIGYFVI
 QTYLPCIMTVILSQVSFWLNRESVPARTVFGVTTVLTMTLSISARNSLPKVAYATAMDWFMVAVCYAFV
 SALIEFATVNYFTKRSWAWEGKKVPEALEMKKKTPAAPTCKNTTFNIVGTTYPINLAKDTEFSTISKSA
 APSASSTPTAIASPKATYVQDSPAETKTYNSVSKYDKISRIFPVLFAIFNLVYWATYVNRSAIKGMIR
 KQ

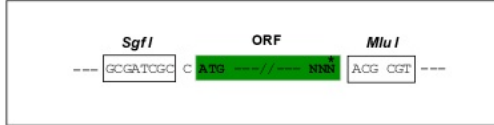
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Kozac
Consensus

EcoR I BamH I Kpn I RBS Sgf I Asc I

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

Hind III Nhe I Rsr II Mlu I Not I Xho I GFP Tag

CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

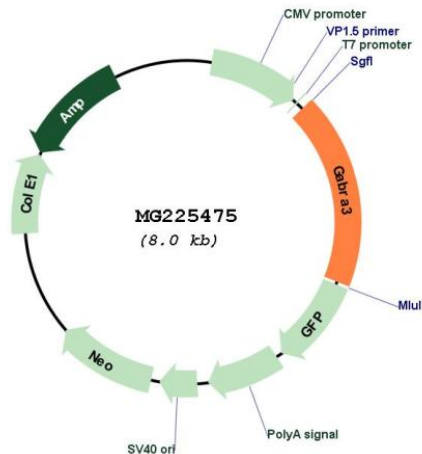
T R T R P L E M E S D - - -

Pme I Fse I

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:



ACCN: NM_008067

ORF Size: 1476 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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_008067.3
RefSeq Size:	3727 bp
RefSeq ORF:	1479 bp
Locus ID:	14396
UniProt ID:	P26049
Cytogenetics:	X 37.24 cM
Gene Summary:	<p>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]</p>