

Product datasheet for **RG237227**

GABRP (NM_001291985) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRP (NM_001291985) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GABRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237227 representing NM_001291985. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACACAGCCTCCACTTGGCCTTCGTGTGTCTGAGTCTTCTCACTGAGAGGATGTGCATCCAGGGG
AGTCAGTTCAACGTCGAGGTCGGCAGAAGTGACAAGCTTCCCTGCCTGGCTTTGAGAACCTCACAGCA
GGATAAACAATTTCTCAGGCCAATTTGGTGGAGAACCCGTACAGATAGCGCTGACTCTGGACATT
GCAAGTATCTCTAGCATTTCAGAGAGTAACATGGACTACACAGCCACCATATACCTCCGACAGCGCTGG
ATGGACCAGCGGCTGGTGTGTTGAAGGCAACAAGAGCTTCACTCTGGATGCCCGCCTCGTGGAGTTCCTC
TGGGTGCCAGATACTTACATTGTGGAGTCCAAGAAGTCTTCTCCATGAAGTCACTGTGGAAACAGG
CTCATCCGCTCTTCTCAATGGCACGGTCTGTATGCCCTCAGAATCAGGACAACCTGTTGCATGTAAAC
ATGGATCTGTCTAAATACCCCATGGACACACAGACATGCAAGTTGCAGCTGGAAAGCTGGGGCTATGAT
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AGATTGGTCTTACAGTTTGAGCTTCGGAGGAATGTTCTGTATTTTGGAAACCTACGTTCTTCC
ACTTTCCTGGTGGTGTTCCTGGGTTTCATTTGGATCTCTCGATTTCAGTCCCTGCAAGAACCTGC
ATTGGGACAACAAGGAAGTAGAAGAAGTCAGTATTAC
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237227
 Blue=ORF Red=Cloning site Green=Tag(s)

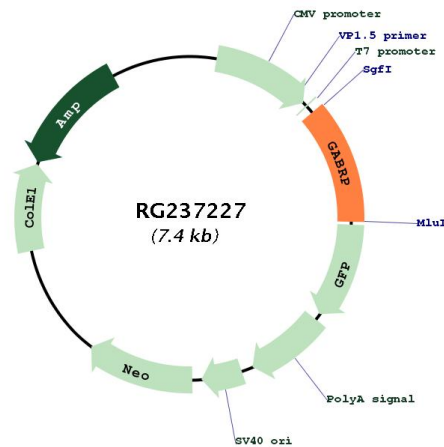
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 ASISSISESNMDYTATIYLRQRWMDQRLVFEQNKSFLLDARLVEFLWVPDYYIVESKKSFLHEVTGNR
 LIRLFSNGTVLYALRITTTVACNMDLSKYPMDTQTCKLQLESWGYDGNDFEFTWLRGNDSVRGLEHLRL
 AQYTIERYFTLVTRSQQETGNYTRLVLQFELRRNVLYFILETYVPSTFLVVLSWVSFWISLDSVPARTC
 IGDNKGSRSSQYY
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001291985
ORF Size:	867 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).
RefSeq:	NM_001291985.1 , NP_001278914.1
RefSeq Size:	3137 bp
RefSeq ORF:	870 bp
Locus ID:	2568
UniProt ID:	O00591
Cytogenetics:	5q35.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	33.9 kDa
Gene Summary:	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. The subunit encoded by this gene is expressed in several non-neuronal tissues including the uterus and ovaries. This subunit can assemble with known GABA A receptor subunits, and the presence of this subunit alters the sensitivity of recombinant receptors to modulatory agents such as pregnanolone. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]