

Product datasheet for **SC335121**

GABRP (NM_001291985) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRP (NM_001291985) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291985, the custom clone sequence may differ by one or more nucleotides

ATGAACACAGCCTCCACTTGGCCTTCGTGTGTCTGAGTCTCTTCACTGAGAGGATGTGCATCCAGGGGA
 GTCAGTTCAACGTCGAGGTCGGCAGAAAGTGACAAGCTTTCCTGCCTGGCTTTGAGAACCTCACAGCAGG
 ATATAACAAATTTCTCAGGCCCAATTTTGGTGGAGAACCCGTACAGATAGCGCTGACTCTGGACATTGCA
 AGTATCTCTAGCATTTGACAGAGTAACATGGACTACACAGCCACCATATACCTCCGACAGCGCTGGATGG
 ACCAGCGGCTGGTGTGGAAGGCAACAAGAGCTTCACTCTGGATGCCCGCCTCGTGGAGTTCTCTGGGT
 GCCAGATACTTACATTGTGGAGTCCAAGAAGTCCTTCTCCATGAAGTCACTGTGGGAAACAGGCTCATC
 CGCCTCTTCTCCAATGGCAGGTCCTGTATGCCCTCAGAATCACGACAAGTGTTCATGTAACATGGATC
 TGTCTAAATACCCCATGGACACACAGACATGCAAGTTGCAGCTGGAAAGCTGGGGCTATGATGGAATGA
 TGTGGAGTTCACCTGGCTGAGAGGGAACGACTCTGTGCGTGGACTGGAACACCTGCGGCTTGCTCAGTAC
 ACCATAGAGCGGTATTTACCTTAGTCACCAGATCGCAGCAGGAGACAGGAAATTACACTAGATTGGTCT
 TACAGTTTGAGCTTCGGAGGAATGTTCTGTATTTCAATTTGGAAACCTACGTTCTTCCACTTCTCTGGT
 GGTGTTGTCTGGGTTTCATTTGGATCTCTCTCGATTCACTCCCTGCAAGAACCTGCATTGGGGACAAC
 AAAGGAAGTAGAAGAAGTCAGTATTACTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001291985
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_001291985.1, NP_001278914.1</u>
RefSeq Size:	3137 bp
RefSeq ORF:	870 bp
Locus ID:	2568
UniProt ID:	<u>O00591</u>
Cytogenetics:	5q35.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks the penultimate exon, which causes a frameshift, compared to variant 1. The resulting isoform (2) has a distinct and shorter C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>