

Product datasheet for SC115134

GABRP (NM_014211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRP (NM_014211) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115134 sequence for NM_014211 edited (data generated by NextGen Sequencing)

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ATGAACACTACAGCCTCCACTTGGCCTTCGTGTGTCTGAGTCTTCTCACTGAGAGGATGTGC
ATCCAGGGGAGTCAGTTCAACGTCGAGGTCGGCAGAAAGTGACAAGCTTCCCTGCCTGGC
TTTGAGAACCTCAGCAGGATATAACAAATTTCTCAGGCCCAATTTTGGTGGAGAACCC
GTACAGATAGCGCTGACTCTGGACATTGCAAGTATCTCTAGCATTTTCAGAGAGTAACATG
GACTACACAGCCACCATATACCTCCGACAGCGCTGGATGGACCAGCGGCTGGTGTGGAA
GGCAACAAGAGCTTCACTCTGGATGCCCGCCTCGTGGAGTTTCTCTGGGTGCCAGATACT
TACATTGTGGAGTCCAAGAAGTCCTTCCATGAAGTCACTGTGGGAAACAGGCTCATC
CGCCTCTTCTCCAATGGCACGGTCTGTATGCCCTCAGAATCACGACAACCTGTTGCATGT
AACATGGATCTGTCTAAATACCCCATGGACACACAGACATGCAAGTTGCAGCTGGAAAGC
TGGGGCTATGATGGAAATGATGTGGAGTTCACCTGGCTGAGAGGGAACGACTCTGTGCGT
GGACTGGAACACCTGCGGCTTGCTCAGTACACCATAGAGCGGTATTTACCTTAGTCACC
AGATCGCAGCAGGAGACAGGAAATTACACTAGATTGGTCTTACAGTTTGAGCTTCGGAGG
AATGTTCTGTATTTTCAATTTGGAAACCTACGTTCTTCCACTTCTCTGGTGGTGTGTGCC
TGGGTTTCATTTTGGATCTCTCTCGATTCAAGTCCCTGCAAGAACCTGCATTGGAGTGACG
ACCGTGTATCAATGACCACACTGATGATCGGGTCCCGCACTTCTTCCCAACACCAAC
TGCTTCATCAAGGCCATCGATGTGTACCTGGGGATCTGCTTTAGCTTTGTGTTGGGGCC
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AGCTTTAAACGGAAGATCAGCTTTGCCAGCATTGAAATTTCCAGCGACAACGTTGACTAC
AGTGACTTGACAATGAAAACAGCGACAAGTTAAAGTTTGTCTTCCGAGAAAAGATGGGC
AGGATTGTTGATTATTTCAAAATCAAAACCCAGTAATGTTGATCACTATTCCAAACTA
CTGTTTCTTTGATTTTTATGCTAGCCAATGTATTTTACTGGGCATACTACATGTATTTT
TGA
  
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Clone variation with respect to NM_014211.2
1173 c=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014211 unedited
 CAAATTTTGTATACGACTCACTATAGGGNNCGGCCGNNNAATTCGGCACCCAGGTCCAC
 ATACGAGGGGACAGGGCTGAGGATGAGGAGAACCCTGGGGACCCAGAAGACCGTGCCTTG
 CCCGGAAGTCTGCTGTAGGCCGAAGGACTTGCCTAACAGAGCCTCAACAACACCT
 GGTGATTCTACTTCAGCCCCTTGGTGTGAGCAGCTTCTCAACATGAACTACAGCCTCCA
 CTTGGCCTTCGTGTCTGAGTCTTCTCACTGAGAGGATGTGCATCCAGGGGAGTCAGTT
 CAACGTCGAGGTCGGCAGAAGTGACAAGCTTTCCCTGCCTGGCTTTGAGAACCTCACAGC
 AGGATATAACAAAATTTCTCAGGCCCAATTTGGTGGAGAACCCGTACAGATAGCGCTGAC
 TCTGGACATTGCAAGTATCTCTAGCATTTCAGAGAGTAACATGGACTACACAGCCACCAT
 ATACCTCCGACAGCGCTGGATGGACCAGCGGCTGGTGTGTAAGGCAACAAGAGCTTAC
 TCTGGATGCCCGCTCGTGGAGTTCCTCTGGGTGCCAGATACTTACATTGTGGAGTCCAA
 GAAGTCTTCTCCATGAAGTCACTGTGGGAAACAGGCTCATCCGCTCTTCTCCATGGC
 ACGGTCCTGTATGCCCTCAGAATCACGACAACGTTGCATGTAACATGGATCTGTCTAA
 ATACCCCATGGACACACAGACATGCAAGTTCAGCTGGAAGCTGGGGCTATGATGGAAA
 TGATGTTGGAGTTCACCTGGCTGAGAGGACGAACTCTGTGCGTGGACTGGAACACCCCTG
 CGCTTGCTCAGTACACCATAGAGCGTATTTACCTTTATCACCAGATCGCAGCAGGAGAC
 AGGGAATACACTAGATGGNCTTACAGTTGAGCTCGNAAGAAATGTCTGNATTTTCATTTGA
 AAACACGTCTCTCTTGGGGGGGGGTGCCCCGGTTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014211 unedited
 ACTATGGAACGCGGCACGCAANCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTGGTGGGT
 AGCTAATATGGTATATTTATTTTACAGTTTACATCTTTATCATTGGTTTTATATAAAAA
 CAATGCCTAAGTGGGGTTTCAGAACAGATATTTCTTTTAAACTTTTTTAAAAAATCAC
 AAATATGATTGGCTCATACAACCACATTTACCTCTTTTACCAGCACTCCACCCATTC
 CTGTTAGAAATATTTTGTAAAAAATCAGGTGATCAAACCTCATAGAACTGAATTGTGA
 GAAGTATAATGGGAAAAGGAATGAGAACCCTGTGGCTCTAGGGAGTTACAGAAGGGAAATC
 ATCTTTTAAAGCCTTGGTTTATTTCTGACAGGAAAGGTAAGCCGTGCATTTATTAGAAC
 AGGAAGCTAAGAAATTAAGATGGCGAGATTGTCTAAAAAAGTGGGCTGAACTGGAAG
 CCTTTACCCTGGCACACTCAAAAATCACTTTTGGTACTGTTGGCTGAACTGGCCGAGGA
 ATGTGCATCTCTGGCTGGATTTGGAGAGGGCAGCTCACCCGAACCTGAACATAAGTTCT
 GTACCGTATCTCATTGGTACTCATAAAGTTCAGTACTCAAGGCCAGCACGCTCCTGCTCT
 TGCGGGATAATCCACTCATACAGCCCTGGAAGGATCAGGGATCTGAACAAAACCAA
 GTTACTTAAGCTAAACCACTTGTTCCTTGGTCATACCCTCCCCTTCTATAAGCATATTC
 CTGATCTTACACCAAGGGCTGAAGCCCCCTTGGAAAGTACAGGGATTTGCCCTGGCAA
 TTGTTGCTCATGTTAATATCCCGCTCATCACTATGCAGCACCTCTGAGCAACCCAGTTC
 TTTAATCACCGCCCTTGGCACAAGCACCTCTAAATGTTCTCTCCCTCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_014211

Insert Size:

3330 bp

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).

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_014211.1, NP_055026.1</u>
RefSeq Size:	3282 bp
RefSeq ORF:	1323 bp
Locus ID:	2568
UniProt ID:	<u>O00591</u>
Cytogenetics:	5q35.1
Domains:	Neur_chan_memb, Neur_chan_LBD
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 (1) encodes the longer isoform (1).</p>