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Product datasheet for SC128190

GABA A Receptor beta 1 (GABRB1) (NM_000812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABA A Receptor beta 1 (GABRB1) (NM_000812) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABA A Receptor beta 1
Synonyms:	DEE45; EIEE45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC128190 representing NM_000812.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGACAGTACAAAATCGAGAGAGTCTGGGGCTTCTCTCTTTCCCTGTGATGATTACCATGGTCTGT
TGTGCACACAGCACCAATGAACCCAGCAACATGTCATACGTGAAAGAGACAGTGGACAGATTGCTCAAA
GGATATGACATTCGCTTGCGGCCGGACTTCGGAGGGCCCCCCGTCGACGTTGGGATGCGGATCGATGTC
GCCAGCATAGACATGGTCTCCGAAGTGAATATGGATTATACACTCACCATGTATTTCCAGCAGTCTTGG
AAAGACAAAAGGCTTTCTTATTCTGGAATCCCACTGAACCTCACCCTAGACAATAGGGTAGCTGACCAA
CTCTGGGTACCAGACACCTACTTTCTGAATGACAAGAAATCATTTGTGCATGGGGTCACAGTGAAAAAT
CGAATGATTCGACTGCATCCTGATGGAACAGTTCTCTATGGACTCCGAATCACAACCACAGCTGCATGT
ATGATGGATCTTCGAAGATATCCACTGGATGAGCAGAACTGCACCCTGGAGATCGAAAGTTATGGCTAT
ACCACTGATGACATTGAATTTTACTGGAATGGAGGAGAAGGGGCAGTCACTGGTGTTAATAAAATCGAA
CTTCCTCAATTTTCAATTGTTGACTACAAGATGGTGTCTAAGAAGGTGGAGTTCACAACAGGAGCGTAT
CCACGACTGTCACTAAGTTTTCGTCTAAAGAGAAACATTGGTTACTTCATTTTGCAAACCTACATGCCT
TCTACACTGATTACAATTCTGTCCTGGGTGTCTTTTTGGATCAACTATGATGCATCTGCAGCCAGAGTC
GCACTAGGAATCACGACAGTGCTTACAATGACAACCATCAGCACCCACCTCAGGGAGACCCTGCCAAAG
ATCCCTTATGTCAAAGCGATTGATATTTATCTGATGGGTTGCTTTGTGTTTGTGTTCCTGGCTCTGCTG
GAGTATGCCTTTGTAAATTACATCTTCTTTGGGAAAGGCCCTCAGAAAAAGGGAGCTAGCAAACAAGAC
CAGAGTGCCAATGAGAAGAATAAACTGGAGATGAATAAAGTCCAGGTCGACGCCCACGGTAACATTCTC
CTCAGCACCCTGGAAATCCGGAATGAGACGAGTGGCTCGGAAGTGCTCACGAGCGTGAGCGACCCCAAG
GCCACCATGTACTCCTATGACAGCGCCAGCATCCAGTACCGCAAGCCCCTGAGCAGCCGCGAGGCCTAC
GGGCGCGCCCTGGACCGGCACGGGGTACCCAGCAAGGGGCGCATCCGCAGGCGTGCCTCCCAGCTCAAA
GTCAAGATCCCCGACTTGACTGATGTGAATTCCATAGACAAGTGGTCCCGAATGTTTTTCCCCATCACC
TTTTCTCTTTTTAATGTCGTCTATTGGCTTTACTATGTACACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Chromatograms: https://cdn.origene.com/chromatograms/ja3357_f09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_000812

Insert Size: 1425 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:

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_000812.3
RefSeq Size:	2226 bp
RefSeq ORF:	1425 bp
Locus ID:	2560
UniProt ID:	P18505
Cytogenetics:	4p12
Domains:	Neur_chan_memb, Neur_chan_LBD
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	54.2 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. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 4, alpha 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia. [provided by RefSeq, Jul 2008]