

Product datasheet for **SC122576**

GABA A Receptor delta (GABRD) (NM_000815) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABA A Receptor delta (GABRD) (NM_000815) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABA A Receptor delta
Synonyms:	EIG10; EJM7; GEFSP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_000815 edited
 CCGCCGCGCCATGGACGCGCCCGCCGGCTGCTGGCCCCGCTCCTGCTCCTCTGCGCGC
 AGCAGTCCCGCGGCACCAGAGCGATGAATGACATCGGCGACTACGTGGGCTCCAACCTGG
 AGATCTCCTGGCTCCCAACCTGGACGGGCTGATAGCCGGCTACGCCCGCAACTCCGGC
 CTGGCATCGGAGGCCCCCGTGAATGTGGCCCTTGCCCTGGAGTGGCCAGCATCGACC
 ACATCTCAGAGGCCAACATGGAGTACACCATGACGGTGTTCCTGCACCAGAGCTGGCGGG
 ACAGCAGGCTCTCTACAACCACACCAACGAGACCTGGGCCCTGGACAGCCGCTTCGTGG
 ACAAGCTGTGGCTGCCCGACACCTTCATCGTGAACGCCAAGTCGGCTGGTTCACGACG
 TGACGGTGGAGAACAAGCTCATCCGGCTGCAGCCGACGGCGTGATCCTGTACAGCATCC
 GAATCACCTCCACTGTGGCTGCGACATGGACCTGGCAAATACCCCATGGACGAGCAGG
 AGTGCATGCTGGACCTGGAGAGCTACGGTTACTCATCGGAGGACATCGTCTACTACTGGT
 CGGAGAGCCAGGACACATCCACGGGCTGGACAAGCTGCAGCTGGCGCAGTTCACCATCA
 CCAGCTACCGCTTACCACGGAGCTGATGAACTCAAGTCGGCTGGCCAGTTCACACGGC
 TCAGCCTGCACTCCACCTGCGGAGGAACCGGGCGTGTACATCATCCAATCCTACATGC
 CCTCCGTCTGCTGGTCGCCATGTCTGGGTCTCCTTCTGGATCAGCCAGGCGGGGTGC
 CCGCCAGGGTGTCTTAGGCATACCACGGTGTGACGATGACCACGCTCATGGTCAGTG
 CCCGCTCCTCCCTGCCACGGGCATCAGCCATCAAGGCACTGGACGTCTACTTCTGGATCT
 GCTATGTCTTCTGTGTTTCCGCCCTGGTGGAGTACGCCTTTGCTCATTTCAACGCCGACT
 ACAGGAAGAAGCAGAAGGCCAAGGTCAAGGTCTCCAGGCCGAGGGCAGAGATGGACGTGA
 GGAACGCCATTGTCTCTTCTCCCTCTCTGCTGCCGGCGTCACGCAGGAGCTGGCCATCT
 CCCGCCGCGAGCGCCGCTCCCGGGGAACCTGATGGGCTCTACAGGTGGTGGGGGTGG
 AGACAGGGGAGACGAAGAAGGAGGGGGCAGCCCGCTCAGGAGGCCAGGGGGCATCCGTG
 CCCGGCTCAGGCCCATCGACGCAGACACCATTTGACATTTACGCCCGCGCTGTGTTCCCTG
 CGGCGTTTTGCGGCCCAATGTCTACTACTGGCGGCATACGCCATGTGAGCACAGGACT
 CAGGCCACCCTCGCTTGTCTGGCGCCCGGCGGAGCTGCCCAGAACTTCTGGGAGAA
 AGAGCCCTCGGGCTGCCTTCCCCTCTGCGTGTTCGAAGTGGGATGACAGTCGGCCACGG
 AAAACAAGAGGAAGCCTCGGCCTCCCTGAGCTCTGACCCAGCCTCACCCGAAAGGCCAG
 CCTGGGGCTCTCCGGCAGGACCCGAGACCTGCACAGATGAAGGAGCAGAGGGTCTGAC
 CGAGAGGTGAGCCAGGCCGGGTCTGGGCCCTCAGGGAGCCGGGATTTTTATGTTCA
 GAAAGTGATCCTGTTTCTAGGTCTTTGCTCTGCAGGATCGGGATCAGAGCGTGGGAGGA
 GGTGGGGTGGACGTCCATCCGGTGAACAGTGAAGGCGTTTTGTGAGGTCTTTCTGGTCCC
 AGCATGAAATAAAGCCTTGGCCTGGGGGCGCTTATTCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000815 unedited
 GCCGCGNAATCCCGGGATCCGCCGCGCCATGGACGCGCCCGCCGGCTGCTGGCCCCG
 CTCCTGCTCCTCTGCGCGCAGCAGCTCCGCGGCACCAGAGCGATGAATGACATCGGCGAC
 TACGTGGGCTCCAACCTGGAGATCTCCTGGCTCCCAACCTGGACGGGCTGATAGCCGGC
 TACGCCCGCAACTTCCGGCTGGCATCGGAGGCCCCCGTGAATGTGGCCCTTGCCCTG
 GAGGTGGCCAGCATCGACCACATCTCAGAGGCCAACATGGAGTACACCATGACGGTGTTC
 CTGCACCAGAGCTGGCGGGACAGCAGGCTCTCCTACAACCACACCAACGAGACCTGGGC
 CTGGACAGCCGTTCTGGACAAGCTGTGGCTGCCCGACACCTTCATCGTGAACGCCAAG
 TCGGCCTGGTCCACGACGTGACGGTGGAGAACAAGCTCATCCGGCTGCAGCCCGACGGC
 GTGATCCTGTACAGCATCCGAATCACCTCCACTGTGGCCTGCGACATGGACCTGGCCAAA
 TACCCCATGGACGAGCAGGAGTGCATGCTGGACCTGGAGAGCTACGGTACTCATCGGAG
 GACATCGTCTACTACTGTGCGGAGGCCAGGAGACATCCACGGGCTGGACAAGCTGCAG
 CTGGCGCAGTTACCATCACCAGTACCCTTACCACGGAGCTGATGAACTTCAAGTCC
 GCTGGCCAGTTCCACGGCTCAGCTGCACTTCCACCTGCNAGGAACCCGCGCGTGTAC
 ATCATCCAATCCTACNATGCCTNCGTCTGCTGGTTCGCATGTCTGGGTCTNCTTCTGG
 ATCAGCCCAGCGGGCGTGCCTGCGGAGGGG

Restriction Sites: Please inquire

ACCN:	NM_000815
Insert Size:	1874 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:	NM_000815.2 , NP_000806.2
RefSeq Size:	1882 bp
RefSeq ORF:	1359 bp
Locus ID:	2563
UniProt ID:	O14764
Cytogenetics:	1p36.33
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. The GABA-A receptor is generally pentameric and there are five types of subunits: alpha, beta, gamma, delta, and rho. This gene encodes the delta subunit. Mutations in this gene have been associated with susceptibility to generalized epilepsy with febrile seizures, type 5. Alternatively spliced transcript variants have been described for this gene, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]