

Product datasheet for SC335799

GABA A Receptor beta 3 (GABRB3) (NM_001278631) Human Untagged Clone

Product data:

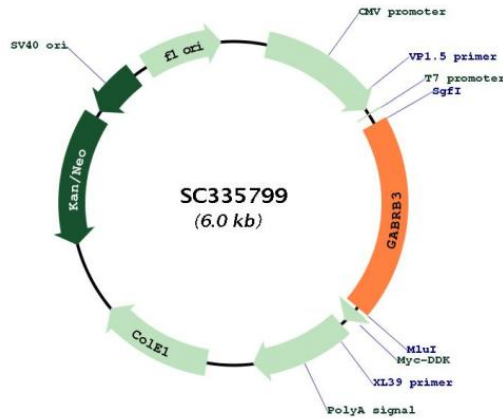
Product Type:	Expression Plasmids
Product Name:	GABA A Receptor beta 3 (GABRB3) (NM_001278631) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRB3
Synonyms:	DEE43; ECA5; EIEE43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335799 representing NM_001278631. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTATTTTCAACAATATTGGAGAGATAAAAGGCTCGCCTATTCTGGGATCCCTCTCAACCTCACGCTT
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001278631

Insert Size: 1167 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_001278631.1](#)

RefSeq Size: 5889 bp

RefSeq ORF: 1167 bp

Locus ID: 2562

UniProt ID: [P28472](#)

Cytogenetics: 15q12

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 45 kDa

Gene Summary: This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one the subunits of a multi-subunit chloride channel that serves as the receptor for gamma-aminobutyric acid, a major inhibitory neurotransmitter of the mammalian nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two other genes encoding related subunits of the family. This gene may be associated with the pathogenesis of several disorders including Angelman syndrome, Prader-Willi syndrome, nonsyndromic orofacial clefts, epilepsy and autism. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (5) contains an alternate internal exon and initiates translation at a downstream start codon, compared to variant 1. Variants 3 and 5 encode the same isoform (3), which is shorter at the N-terminus compared to isoform 1.