Recombinant Human GABRB3

Cat. No. GABRB3-28089TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 26-135 of Human GABA A Receptor beta 3 with an N terminal proprietary tag; Predicted MWt 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one of at least 13 distinct subunits of a multisubunit chloride channel that serves as the receptor for gamma-aminobutyric acid, the major inhibitory transmitter of the nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two genes encoding related subunits of the family. Mutations in this gene may be associated with the pathogenesis of Angelman syndrome, Prader-Willi syndrome, and autism. Alternatively spliced transcript variants encoding distinct isoforms have been described.
Molecular Weight	37.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QSVNDPGNMSFVKETVDKLLKGYDIRLRPDFGGPPVCVGM NIDIASIDMVSEVNMD YTLTMYFQQYWRDKRLAYSGIPLN LTLDNRVADQLWVPDTYFLNDKKSFVHGVT
Sequence Similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB3 sub-subfamily.

GENE INFORMATION

Gene Name	GABRB3 gamma-aminobutyric acid (GABA) A receptor, beta 3 [Homo sapiens]
Official Symbol	GABRB3
Synonyms	GABRB3; gamma-aminobutyric acid (GABA) A receptor, beta 3; gamma-aminobutyric acid receptor subunit beta-3;
Gene ID	2562
mRNA Refseq	NM_021912
Protein Refseq	NP_068712
Uniprot ID	P28472
Chromosome Location	15q11.2-q12
Pathway	GABA A receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem; GABAergic synapse, organism-specific biosystem;

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	GABAergic synapse, conserved biosystem; Ion channel transport, organism-specific biosystem;
Function	GABA-A receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;

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