

## Recombinant Human GABRB3

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	110 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	37.730kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	QSVNDPGNMSFVKETVDKLLKGYDIRLRPDFGGPPVCVGM NIDIASIDMVSEVNMD YTLTMYFQQYWRDKRLAYSGIPLN LTLDNRVADQLWVPDTYFLNDKKSFVHGVT
<b>Sequence Similarities</b>	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

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