

Recombinant Human GABRB1, His-tagged

Cat. No. GABRB1-13097H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRB1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	330-440a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	GABRB1 gamma-aminobutyric acid (GABA) A receptor, beta 1 [Homo sapiens]
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Official Symbol	GABRB1
Synonyms	GABRB1; gamma-aminobutyric acid (GABA) A receptor, beta 1; gamma-aminobutyric acid receptor subunit beta-1; GABA(A) receptor; beta 1; GABA(A) receptor, beta 1; GABA(A) receptor subunit beta-1;
Gene ID	2560
mRNA Refseq	NM_000812
Protein Refseq	NP_000803
MIM	137190
UniProt ID	P18505
Chromosome Location	4p12
Pathway	GABA A receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem; GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Morphine addiction, organism-specific biosystem;
Function	GABA-A receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;