Recombinant Human GABRB2, His-tagged

Cat. No. GABRB2-13098H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRB2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	409-471a.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 2 subunit. It is mapped to chromosome 5q34 in a cluster comprised of genes encoding alpha 1 and gamma 2 subunits of the GABA A receptor. Alternative splicing of this gene generates 2 transcript variants, differing by a 114 bp insertion.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GABRB2 gamma-aminobutyric acid (GABA) A receptor, beta 2 [Homo sapiens]

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Official Symbol	GABRB2
Synonyms	GABRB2; gamma-aminobutyric acid (GABA) A receptor, beta 2; gamma-aminobutyric acid receptor subunit beta-2; GABA(A) receptor; beta 2; GABA(A) receptor, beta 2; GABA(A) receptor subunit beta-2; gamma-aminobutyric acid A receptor beta 2; MGC119386; MGC119388; MGC119389;
Gene ID	2561
mRNA Refseq	NM_000813
Protein Refseq	NP_000804
MIM	600232
UniProt ID	P47870
Chromosome Location	5q34
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; inhibitory extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;

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