Recombinant Human GABRA1, GST-tagged

Cat. No. GABRA1-13092H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRA1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	20-260a.a.
Description	This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene cause juvenile myoclonic epilepsy and childhood absence epilepsy type 4. Multiple transcript variants encoding the same protein have been identified for this gene.
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 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	GABRA1 gamma-aminobutyric acid (GABA) A receptor, alpha 1 [Homo sapiens]
Official Symbol	GABRA1
Synonyms	GABRA1; gamma-aminobutyric acid (GABA) A receptor, alpha 1; gamma-aminobutyric acid receptor subunit alpha-1; EJM5; GABA(A) receptor; alpha 1; GABA(A) receptor, alpha 1; GABA(A) receptor subunit alpha-1; EJM; ECA4;
Gene ID	2554
mRNA Refseq	NM_000806
Protein Refseq	NP_000797
MIM	137160
UniProt ID	P14867
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; drug binding; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;

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