

## Recombinant Human GABRG2, His-tagged

Cat. No. GABRG2-13103H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human GABRG2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 40-273a.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. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different isoforms have been identified for this gene.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	GABRG2 gamma-aminobutyric acid (GABA) A receptor, gamma 2 [ Homo sapiens ]
<b>Official Symbol</b>	GABRG2
<b>Synonyms</b>	GABRG2; gamma-aminobutyric acid (GABA) A receptor, gamma 2; gamma-aminobutyric acid receptor subunit gamma-2; GABA(A) receptor; gamma 2; GABA(A) receptor, gamma 2; GABA(A) receptor subunit gamma-2; CAE2; ECA2; GEFSP3;
<b>Gene ID</b>	2566
<b>mRNA Refseq</b>	NM_000816
<b>Protein Refseq</b>	NP_000807
<b>MIM</b>	137164
<b>UniProt ID</b>	P18507
<b>Chromosome Location</b>	5q34
<b>Pathway</b>	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;
<b>Function</b>	GABA-A receptor activity; benzodiazepine receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; protein binding;

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