

## Recombinant Human GABRG1, GST-tagged

Cat. No. GABRG1-13102H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GABRG1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	38-271a.a.
<b>Description</b>	The protein encoded by this gene belongs to the ligand-gated ionic channel family. It is an integral membrane protein and plays an important role in inhibiting neurotransmission by binding to the benzodiazepine receptor and opening an integral chloride channel. This gene is clustered with three other family members on chromosome 4.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	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 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

**Gene Name** GABRG1 gamma-aminobutyric acid (GABA) A receptor, gamma 1 [ Homo sapiens ]

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<b>Official Symbol</b>	GABRG1
<b>Synonyms</b>	GABRG1; gamma-aminobutyric acid (GABA) A receptor, gamma 1; gamma-aminobutyric acid receptor subunit gamma-1; GABA(A) receptor; gamma; gamma-1 polypeptide; GABA(A) receptor, gamma; GABA(A) receptor subunit gamma-1; MGC33838; DKFZp686H2042;
<b>Gene ID</b>	2565
<b>mRNA Refseq</b>	NM_173536
<b>Protein Refseq</b>	NP_775807
<b>MIM</b>	137166
<b>UniProt ID</b>	Q8N1C3
<b>Chromosome Location</b>	4p12
<b>Pathway</b>	GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Nicotine addiction, organism-specific biosystem;
<b>Function</b>	GABA-A receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity;

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