

## Recombinant Human GABBR2, GST-tagged

**Cat. No.** GABBR2-13088H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GABBR2 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>	59-386a.a.
<b>Description</b>	The multi-pass membrane protein encoded by this gene belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence.
<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

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<b>Gene Name</b>	GABBR2 gamma-aminobutyric acid (GABA) B receptor, 2 [ Homo sapiens ]
<b>Official Symbol</b>	GABBR2
<b>Synonyms</b>	GABBR2; gamma-aminobutyric acid (GABA) B receptor, 2; G protein coupled receptor 51 , GPR51; gamma-aminobutyric acid type B receptor subunit 2; GABABR2; GPRC3B; HG20; gb2; GABA-BR2; GABA-B-R2; GABA-B receptor 2; GABA-B receptor, R2 subunit; G protein-coupled receptor 51; G-protein coupled receptor 51; gamma-aminobutyric acid B receptor 2; GPR51; HRIHFB2099; FLJ36928;
<b>Gene ID</b>	9568
<b>mRNA Refseq</b>	NM_005458
<b>Protein Refseq</b>	NP_005449
<b>MIM</b>	607340
<b>UniProt ID</b>	O75899
<b>Chromosome Location</b>	9q22.1-q22.3
<b>Pathway</b>	Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G protein gated Potassium channels, organism-specific biosystem; GABA B receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem;

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**Function**

G-protein coupled GABA receptor activity; receptor activity; signal transducer activity;

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