Recombinant Human GABBR2, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GABBR2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	59-386a.a.
Description	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.
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	GABBR2 gamma-aminobutyric acid (GABA) B receptor, 2 [Homo sapiens]
Official Symbol	GABBR2
Synonyms	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;
Gene ID	9568
mRNA Refseq	NM_005458
Protein Refseq	NP_005449
MIM	607340
UniProt ID	O75899
Chromosome Location	9q22.1-q22.3
Pathway	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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