

Recombinant Human GABBR1

Cat. No. GABBR1-28091TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 52-151 of Human GABA B Receptor 1 with a proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	Gamma-aminobutyric acid (GABA) is the main inhibitory neurotransmitter in the mammalian central nervous system.
Molecular Weight	36.630kDa
Tissue specificity	Highly expressed in brain and weakly in heart, small intestine and uterus. Isoform 1A is mostly expressed in granular cell and molecular layer. Isoform 1B is mostly expressed in Purkinje cells. Isoform 1E is predominantly expressed in peripheral tissues a
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AVYIGALFPMSGGWPGGQACQPAVEMALEDVNSRRDILPDYELKLIHHDSKCDPGQ ATKYLYELLYNDPIKIILMPGCSSVSTLVAEAARMWNLIVLSYG
Sequence Similarities	Belongs to the G-protein coupled receptor 3 family. GABA-B receptor subfamily.Contains 2 Sushi (CCP/SCR) domains.

GENE INFORMATION

Gene Name	GABBR1 gamma-aminobutyric acid (GABA) B receptor, 1 [Homo sapiens]
Official Symbol	GABBR1
Synonyms	GABBR1; gamma-aminobutyric acid (GABA) B receptor, 1; gamma-aminobutyric acid type B receptor subunit 1; GABA B receptor; GPRC3A; hGB1a;
Gene ID	2550
mRNA Refseq	NM_001470
Protein Refseq	NP_001461
MIM	603540
Uniprot ID	Q9UBS5
Chromosome Location	6p21.3
Pathway	Activation of G protein gated Potassium channels, organism-specific biosystem;

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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;

Function

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

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