

Recombinant Full Length Human GABBR1 Protein, GST-tagged

Cat. No. GABBR1-5162HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GABBR1 full-length ORF (NP_068703.1, 1 a.a. - 844 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	844 amino acids
Description	Gamma-aminobutyric acid (GABA) is the main inhibitory neurotransmitter in the mammalian central nervous system. GABA exerts its effects through ionotropic [GABA(A/C)] receptors, to produce fast synaptic inhibition, and metabotropic [GABA(B)] receptors, to produce slow, prolonged inhibitory signals. The GABA(B) receptor consists of a heterodimer of two related 7-transmembrane receptors, GABA(B) receptor 1 and GABA(B) receptor 2. The GABA(B) receptor 1 gene is mapped to chromosome 6p21.3 within the HLA class I region close to the HLA-F gene. Susceptibility loci for multiple sclerosis, epilepsy, and schizophrenia have also been mapped in this region. Alternative splicing of this gene generates multiple transcript variants. [provided by RefSeq]
Molecular Mass	121.5 kDa
AA Sequence	MGPGAPFARVGWPLPLLVVMAAGVAPVWASHSPHLPRPHSRVPPHPSSERRAVYI GALFPMSSGGWPGGQACQPAVEMALDVNSRRDILPDYELKLIHHDSKCDPGQATK

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YLYELLYNDPIKIILMPGCSSVSTLVAEAARMWNLIVLSYGSSSPALSNRQRFPTFFRT
 HPSATLHNPTRVKLFKKGWKKIATIQQTTEVFTSTLDDLEERVKEAGIEITFRQSFF
 SDPAVPVKNLKRQDARIIVGLFYETEARKVFCEVYKERLFGKKYVWFLIGWYADNWF
 KIYDPSINCTVDEMTEAVEGHITTEIVMLNPANTRISISNMTSQEFVEKLTKRLKRHPPEE
 TGGFQEAPLAYDAIWALALALNKTSGGGGRSGVRLEDFNYYNNQTITDQIYRAMNSS
 SFEGVSGHVVDASGSRMAWTLIEQLQGGSYKKIGYYDSTKDDLWSKTDKWIGG
 SPPADQTLVIKTRFRLSQKLFISVSVLSSLGIVLAVVCLSFNIYNNSHVRYIQNSQPNLNN
 LTAVGCSLALAAVFPLGLDGYHIGRNQFPFVCQARLWLLGLGFSGLGYGSMFTKIWW
 VHTVFTKKEEKKEWRKTLEPWKLYATVGLLVGMDVLTIAWQIVDPLHRTIETFAKEE
 PKEDIDVSILPQLEHCSSSRKMNTWLGIFYGYKGLLLLLGIFLAYETKSVSTEKINDHRA
 VGMAIYNVAVLCLITAPVTMILSSQQDAAFAFASLAIVFSSYITLVVLFVPKMRRLITRG
 EWQSEAQDTMKTGSSTNNNEEEKSRLLLEKENRELEKIIAEKEERVSELRHQLQSRQ
 QLRSRHPPTPPEPSGGLPRGPPEPPDRLSCDGSRVHLLYK

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GABBR1 gamma-aminobutyric acid (GABA) B receptor, 1 [Homo sapiens]
Official Symbol	GABBR1

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Synonyms	GABBR1; gamma-aminobutyric acid (GABA) B receptor, 1; gamma-aminobutyric acid type B receptor subunit 1; GABA B receptor; GPRC3A; hGB1a; GABA-BR1; GABAB, subunit 1c; seven transmembrane helix receptor; GB1; GABABR1; GABBR1-3; dJ271M21.1.1; dJ271M21.1.2; FLJ92613;
Gene ID	2550
mRNA Refseq	NM_001470
Protein Refseq	NP_001461
MIM	603540
UniProt ID	Q9UBS5

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