

Recombinant Human GABBR1 Protein, GST-tagged

Cat. No. GABBR1-4627H **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	Wheat Germ
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	MGPGAPFARVGWPLPLLVMAAGVAPVWASHSPHLPRPHSRVPPHPSSERRAVYI GALFPMSSGGWPGGQACQPAVEMALEDVNSRRDILPDYELKLIHHDSKCDPGQATK YLYELLYNDPIKIILMPGCSSVSTLVAEAARMWNLVLSYGSSSPALSNRQRFPTFFRT HPSATLHNPTRVKLFKKGWKKIATIQQTTEVFTSTLDDLEERVKEAGIEITFRQSFF

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SDPAVPVKNLKRQDARIIVGLFYETEARKVFCEVYKERLFGKKYVWFLIGWYADNWF
 KIYDPSINCTVDEMTEAVEGHITTEIVMLNPANTRISISNMTSQEFVEKLTKRLKRHPPEE
 TGGFQEAPLAYDAIWALALALNKTSGGGGRSGVRLEDFNYYNNQTITDQIYRAMNSS
 SFEGVSGHVVDASGSRMAWTLIEQLQGGSYKKIGYYDSTKDDLWSKTDKWIGG
 SPPADQTLVIKTRFRLSQKLFISVSVLSSLGIVLAVVCLSFNIYNNSHVRYIQNSQPNLNN
 LTAVGCSLALAAVFPLGLDGYHIGRNQFPFVCQARLWLLGLGFSLGYSMFTKIWW
 VHTVFTKKEEKKEWRKTLEPWKLYATVGLLVGMDVLTALWQIVDPLHRTIETFAKEE
 PKEDIDVSILPQLEHCSSRKMNTWLGIFYGYKGLLLLLGIFLAYETKSVSTEKINDHRA
 VGMAIYNVAVLCLITAPVTMILSSQQDAAFAFASLAIVFSSYITLVVLFVPMRRLITRG
 EWQSEAQDTMKTGSSTNNNEEEKSRLLKENRELEKIIAEKEERVSELRHQLQSRQ
 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

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,

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subunit 1c; seven transmembrane helix receptor; GB1; GABABR1; GABBR1-3;
dJ271M21.1.1; dJ271M21.1.2; FLJ92613;

Gene ID 2550

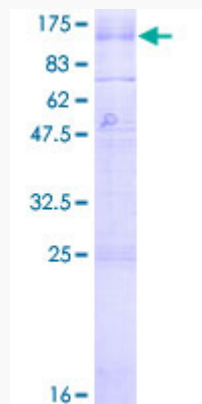
mRNA Refseq NM_001470

Protein Refseq NP_001461

MIM 603540

UniProt ID Q9UBS5

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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