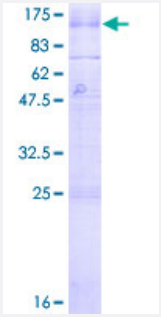
Full-Length

GABBR1 (Human) Recombinant Protein (P01)

Catalog # H00002550-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GABBR1 full-length ORF (NP_068703.1, 1 a.a. - 844 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGPGAPFARVGWPLPLLVVMAAGVAPVWASHSPHLPRPHSRVPPHPSSERRAVYIGALFPMSG GWPGGQACQPAVEMALEDVNSRRDILPDYELKLIHHDSKCDPGQATKYLYELLYNDPIKIILMPGC SSVSTLVAEAARMWNLIVLSYGSSSPALSNRQRFPTFFRTHPSATLHNPTRVKLFEKWGWKKIATI QQTTEVFTSTLDDLEERVKEAGIEITFRQSFFSDPAVPVKNLKRQDARIIVGLFYETEARKVFCEVY KERLFGKKYVWFLIGWYADNWFKIYDPSINCTVDEMTEAVEGHITTEIVMLNPANTRSISNMTSQEF VEKLTKRLKRHPEETGGFQEAPLAYDAIWALALALNKTSGGGGRSGVRLEDFNYNNQTITDQIYRA MNSSSFEGVSGHVVFDASGSRMAWTLIEQLQGGSYKKIGYYDSTKDDLSWSKTDKWIGGSPPAD QTLVIKTFRFLSQKLFISVSVLSSLGIVLAVVCLSFNIYNSHVRYIQNSQPNLNNLTAVGCSLALAAVF PLGLDGYHIGRNQFPFVCQARLWLLGLGFSLGYGSMFTKIWWVHTVFTKKEEKKEWRKTLEPWK LYATVGLLVGMDVLTLAIWQIVDPLHRTIETFAKEEPKEDIDVSILPQLEHCSSRKMNTWLGIFYGYK GLLLLLGIFLAYETKSVSTEKINDHRAVGMAIYNVAVLCLITAPVTMILSSQQDAAFAFASLAIVFSSYI TLVVLFVPKMRRLITRGEWQSEAQDTMKTGSSTNNNEEEKSRLLEKENRELEKIIAEKEERVSELR HQLQSRQQLRSRRHPPTPPEPSGGLPRGPPEPPDRLSCDGSRVHLLYK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	121.5
Interspecies Antigen Sequence	Rat (98)

Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GABBR1

Entrez GeneID	2550
GeneBank Accession#	NM_021903.1
Protein Accession#	NP_068703.1
Gene Name	GABBR1
Gene Alias	FLJ92613, GABAB(1e), GABABR1, GABBR1-3, GPRC3A, dJ271M21.1.1, dJ271M21.1.2, hGB 1a
Gene Description	gamma-aminobutyric acid (GABA) B receptor, 1
Omim ID	603540
Gene Ontology	Hyperlink

Gene Summary	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
Other Designations	GABA-B receptor|GABAB, subunit 1c|OTTHUMP00000029114|OTTHUMP00000029115|OTTHUMP00000029116|OTTHUMP00000109099|gamma-aminobutyric acid (GABA) B receptor 1|seven transmembrane helix receptor

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Anorexia Nervosa
- Bulimia
- Carcinoma
- Epilepsy
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Mental Disorders
- Multiple Sclerosis
- Narcolepsy
- Nasopharyngeal Neoplasms
- Psychiatric Status Rating Scales
- Schizophrenia
- Schizophrenic Psychology
- Sclerosis

- Seizures
- Sleep Apnea
- Sleep Stages
- Syndrome
- Tobacco Use Disorder