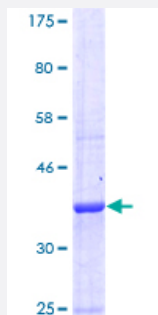


GABBR1 (Human) Recombinant Protein (Q01)

Catalog # H00002550-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GABBR1 partial ORF (AAH50532, 52 a.a. - 151 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AVYIGALFPMSSGGWPGGQACQPAVEMALEDVNSRRDILPDYELKLIHDSKCDPGQATKLYELL YNDPIKIILMPGCSSVSTLVAEAARMWNLVLSYG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Rat (100)
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#	BC050532
Protein Accession#	AAH50532
Gene Name	GABBR1
Gene Alias	FLJ92613, GABAB(1e), GABABR1, GABBR1-3, GPRC3A, dJ271M21.1.1, dJ271M21.1.2, hGB1a
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](#)