

Proteoliposomes

Full-Length

# GABBR1 (Human) Recombinant Protein

Catalog # H00002550-G01

Size 10 ug

## Specification

### Product Description

Human GABBR1 full-length ORF (NP\_068703.1) recombinant protein without tag.  
This product is belong to Proteoliposome (PL).

### Sequence

MGPGAPFARVGVPLPLLVMMAAGVAPVWASHSPHLPRPHSRVPPHPSSERRAVYIGALFPMMSG  
GWPGGQACQPAVEMALEDVNSRRDILPDYELKLIHHDSCDPGQATKYL YELLYNDPIKILMPGC  
SSVSTLVAEAARMWNLMVLSYGSSSPALSNRQRFPTFFRTHPSATLHNPTRVKLF EKWGWKKIATI  
QQTTEVFTSTLDDLEERVKEAGIEITRQSFFSDPAVPVKNLKRQDARIIVGLFYETEARKVFCEVY  
KERLFGKKYVWFLIGWYADNWFKIYDPSINCTVDEMTEAVEGHITTEIVMLNPANTRISISNMTSQEF  
VEKLTKRLKRHPEETGGFQEAPLAYDAIWALALALNKTSGGGGRSGVRLEDFNYNNQTITDQIYRA  
MNSSSFEGVSGHVVDASGSRMAWTLIEQLQGGSYKIGYYDSTKDDL SWSKTDKWIGGSPPAD  
QTLVIKTRFRLSQKLFISVSVLSSLGIVLAVVCLSFNYN SHVRYIQNSQP NLNLTAVGCSLALAAVF  
PLGLDGYHIGRNQFPFVCQARLWLLGLGFS LGYGSMTKMWVHTVFTKKEEKK EWRTLEPWK  
LYATVGLLVGMDVLT LAWQIMDPLHRTIETFAKEEPKEDIDVSILPQLEHCSSRKMNTWLGIFYGYK  
GLLLLLGIFLAYETKSVSTEKINDHRAVGMAYNVAVLCLITAPVTMILSSQQDAAFASFASLAVFSSYI  
TLVVL FVPKMRR LITRGEWQSEAQDTMKTGSSTNNNEEEKSR LLEKENRELEKIIAEKEERVSEL R  
HQLQSRQQLRSRRHPPTPPEPSGGLPRGPPEPPDRLSCDGSRVHLLYK

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

95.09999999999999

### Interspecies Antigen Sequence

Rat (98)

### Form

Liquid

### Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

### Purification

None

### Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

### Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

### 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

- Antibody Production

## Gene Info — GABBR1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">2550</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GeneBank Accession# | <a href="#">NM_021903.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Accession#  | <a href="#">NP_068703.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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             | <a href="#">603540</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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](#)