

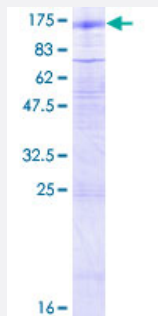
Full-Length

GABBR2 (Human) Recombinant Protein (P01)

Catalog # H00009568-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GABBR2 full-length ORF (AAH35071.2, 1 a.a. - 883 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLMPLTKEVAKGSIGRGVLPAVELAIEQIRNESLLRPYFLDLRLYDTECDNAKGLKAFYDAIKYGP
 NHLMVFGGVCPSVTSIAESLQGWNLVQLSFAATTPVLADKKKYPYFFRTVPSDNAVNPAILKLLK
 HYQWKRVGTLTQDVQRFSEVRNDLTGVLYGEDIEISDTESFSNDPCTSVKKLKGNDVRILLGQFDQ
 NMAAKVFCCAYEENMYGSKYQWIIPGWYEPSWWEQVHTEANSSRCLRKNLLAAMEGYIGVDFEP
 LSSKQIKTISGKTPQQYEREYNNKRSGVGPSKFHGYAYDGMVIAKTLQRAMETLHASSRHQRIQDF
 NYTDHTLGRILNAMNETNFFGVTGQVFRNGERMGTIKFTQFQDSREVKVGEYNAVADTLEIINDTI
 RFQGSEPPKDKTILEQLRKISLPLYSILSALTILGMIMASAFLEFFNIKNRNQKLIKMSPPYMNLIILGG
 MLSYASIFLFGLDGSFVSEKTFETLCTVRTWILTVGYTTAFGAMFAKTWRVHAIFKNVKMKKKIKD
 QKLLVIVGGMLLIDLCILICWQAVDPLRRTVEKYSMEPDPAGRDISIRPLLEHCENTHMTWLGIVYAY
 KGLMLFGCFLAWETRNVSIPALNDSKYIGMSVYNVGIMCIIGAAVSFLTRDQPNVQFCIVALVIFCS
 TITLCLVFVPKLITLRNPDAATQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENHHL
 RMKITELDKDLEEVMTQLQDTPEKTTYIKQNHQELNDILNLGNFTTESTDGGKAILKNHLDQNPQLQ
 WNTTEPSRTCKDPIEDINSPEHIQRRLSLQLPILHHAYLPSIGGVDASCVSPCVSPTASPRHRHVPP
 SFRVMVSGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

126.3

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 — GABBR2

Entrez GeneID	9568
GeneBank Accession#	BC035071.2
Protein Accession#	AAH35071.2
Gene Name	GABBR2
Gene Alias	FLJ36928, GABABR2, GPR51, GPRC3B, HG20, HRIHFB2099
Gene Description	gamma-aminobutyric acid (GABA) B receptor, 2
Omim ID	188890 607340
Gene Ontology	Hyperlink
Gene Summary	B-type receptors for the neurotransmitter GABA (gamma-aminobutyric acid) inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters and the activity of ion channels and adenylyl cyclase. See GABBR1 (MIM 603540) for additional background information on GABA-B receptors.[supplied by OMIM]
Other Designations	G protein-coupled receptor 51 OTTHUMP00000021776 OTTHUMP00000063797

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Bipolar Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Ductus Arteriosus](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Infant](#)
- [Mental Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)