

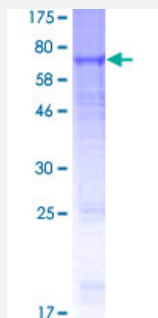
Full-Length

GABRB2 (Human) Recombinant Protein (P01)

Catalog # H00002561-P01

Size 2 ug

Applications



Specification

Product Description

Human GABRB2 full-length ORF (NP_000804.1, 1 a.a. - 474 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWRVRKRGYFGWSFPLIAAVCAQSVNDPSNMSLVKETVDRLKGYDIRLRPDFGGPPVAVGMN
IDIASIDMVSEVNMDYLTMYFQQAWRDKRLSYNVIPLNLTDNRVADQLWVPDITYFLNDKKSFVH
GVTVKNRMIRLHPDGTVLVGLRITTTAACMMDLRRYPLDEQNCTLEIESYGYTTDDIEFYWRGDDNA
VTGVTKIQLPQFSVDYKLITKKVVFSTGSYPRLSLSFKLKRNIQYFILQTYMPSILITLSWVSFWINYD
ASAARVALGITTTLTMTTINHLRETLPKIPYVKAIDMYLMGCFVFVFMALLEYALVNYIFFGRGPQRQ
KKA AEKAASANNEKMRDLVNKMDPHENILLSTLEIKNEMATSEAVMGLGDPRSTMLAYDASSIQY
RKAGLPRHSFGRNALERHVAQKKSRLRRRASQLKITPDLTDVNAIDRWSRIFFPVVFSFFNIVYWL
YYVN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81

Interspecies Antigen Sequence

Mouse (99); Rat (99)

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 — GABRB2

Entrez GeneID	2561
GeneBank Accession#	NM_000813.1
Protein Accession#	NP_000804.1
Gene Name	GABRB2
Gene Alias	MGC119386, MGC119388, MGC119389
Gene Description	gamma-aminobutyric acid (GABA) A receptor, beta 2
Omim ID	600232
Gene Ontology	Hyperlink
Gene Summary	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediate s the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 2 subunit. It is mapped to chromosome 5q34 in a cluster comprised of genes encoding alpha 1 and gamma 2 subunits of the GABA A receptor. Alternative splicing of this gene generates 2 transcript variants, differing by a 114 bp insertion. [provided by RefSeq]
Other Designations	OTTHUMP00000160872

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cues](#)
- [Disease Models](#)
- [Disease Susceptibility](#)
- [Dyskinesia](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Mental Disorders](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Postmortem Changes](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)