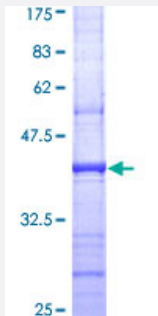


GABRB3 (Human) Recombinant Protein (Q01)

Catalog # H00002562-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GABRB3 partial ORF (AAH10641, 26 a.a. - 135 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QSVNDPGNMSFVKETVDKLLKGYDIRLRPDFGGPPVCVGMNIDIASIDMVSEVNMDYTLTMYFQQ YWRDKRLAYSGIPLNLTLDNRVADQLWVPDTYFLNDKKSFVHGVT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (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 — GABRB3

Entrez GeneID [2562](#)

GeneBank Accession# [BC010641](#)

Protein Accession# [AAH10641](#)

Gene Name GABRB3

Gene Alias ECA5, MGC9051

Gene Description gamma-aminobutyric acid (GABA) A receptor, beta 3

Omim ID [137192](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the ligand-gated ionic channel family. The encoded protein is one of at least 13 distinct subunits of a multisubunit chloride channel that serves as the receptor for gamma-aminobutyric acid, the major inhibitory transmitter of the nervous system. This gene is located on the long arm of chromosome 15 in a cluster with two genes encoding related subunits of the family. Mutations in this gene may be associated with the pathogenesis of Angelman syndrome, Prader-Willi syndrome, and autism. Alternatively spliced transcript variants encoding isoforms with distinct signal peptides have been described. [provided by RefSeq]

Other Designations GABA(A) receptor beta-3 subunit|GABA-A receptor beta-3 subunit|GABA-alpha receptor beta-2 subunit|GABAA receptor beta-3 subunit

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Anxiety Disorders](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Combat Disorders](#)
- [Depressive Disorder](#)
- [Disease Models](#)
- [Dystonic Disorders](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hallucinations](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Mood Disorders](#)
- [NARP](#)
- [Personality Inventory](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)

- [Sleep Initiation and Maintenance Disorders](#)
- [Social Perception](#)
- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)