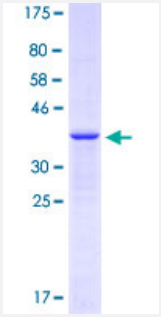
GABRA4 (Human) Recombinant Protein (Q01)

Catalog # H00002557-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GABRA4 partial ORF (NP_000800.2, 401 a.a. - 500 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	GNRTEVGNHSSKSSTVVQESSKGTPRSYLASSPNPFSRANAAETISAARALPSASPTSIRTGYMP RKASVGSASTRHVFGSRLQRIKTTVNTIGATGKLS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (70); Rat (63)
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 — GABRA4

Entrez GeneID	2557
GeneBank Accession#	NM_000809.2
Protein Accession#	NP_000800.2
Gene Name	GABRA4
Gene Alias	-
Gene Description	gamma-aminobutyric acid (GABA) A receptor, alpha 4
Omim ID	137141
Gene Ontology	Hyperlink
Gene Summary	GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. At least 16 distinct subunits of GABA-A receptors have been identified. [provided by RefSeq
Other Designations	gamma-aminobutyric acid A receptor, alpha 4

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Anorexia Nervosa
- Autistic Disorder
- Bipolar Disorder
- Bulimia
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Models
- Dyskinesia
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Mental Retardation
- Psychotic Disorders
- Schizophrenia
- Tobacco Use Disorder