

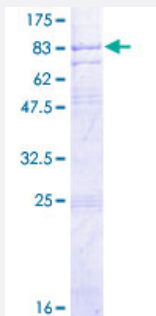
Full-Length

GABRA4 (Human) Recombinant Protein (P01)

Catalog # H00002557-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GABRA4 full-length ORF (NP_000800.2, 1 a.a. - 554 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVSAKKVPAIALSAGVSFALLRFLCLAVCLNESPGQNQKEEKLCTENFTRILDSLLDGYDNRLRP
GFGGPVTEVKTDIYVTSFGPVSDVEMEYTMDFVFRQTWIDKRLKYDGPILRLNMMVTKVWTPD
TFFRNGKKSVMHMTAPNKLFRIMRNGTILYTMRLTISAECPMRLVDFPMDGHACPLKFGSYAYPK
SEMYTWTGPEKSVEVPKESSSLVQYDLIGQTVSSETIKSITGEYVMTVYFHLRRKMGYFMIQTYIP
CIMTVLSQVSFWINKESVPARTVFGITTTLTMTLSISARHSLPKVSYATAMDWFIACFAFVFSALI
EFAAVNYFTNIQMEKAKRKTSKPPQEVPAAPVQREKHPEAPLQNTNANLNMRKRTNALVHSESD
VGNRTEVGNHSSKSSTVVQESSKGTSPSYLASSPNPFSRANAETISAARALPSASPTSIRTGYM
PRKASVGSASTRHVFGSRLQRIKTTVNTIGATGKLSATPPPSAPPPSGSGTSKIDKYARILFPVTFG
AFNMVYVVVYLSKDTMEKSESLM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

88

Interspecies Antigen Sequence

Mouse (90); Rat (89)

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](#)