

Recombinant Full Length Human GABRA1 Protein, GST-tagged

Cat. No. GABRA1-5182HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GABRA1 full-length ORF (NP_000797.2, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	456 amino acids
Description	This gene encodes a gamma-aminobutyric acid (GABA) receptor. 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. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene cause juvenile myoclonic epilepsy and childhood absence epilepsy type 4. Multiple transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]
Molecular Mass	78.2 kDa
AA Sequence	MRKSPGLSDCLWAWILLSTLTGRSYGQPSLQDELKDNTTVFTRILDRLLDGYDNRL RPGLGERVTEVKTDIFVTSFGPVSDHDM EY TIDVFFRQSWKDERLKFKGPM TVLRL NNLMASKIWTPDTFFHNGKKSVAHNMTMPNKLLRITEDGTLLYTMRLTVRAECPMH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LEDFPMDAHACPLKFGSYAYTRAENVVYEWTPARSVVVAEDGSRLNQYDLLGQT
 VDSGIVQSSTGEYVVMTHFHLKRKIGYFVIQTYLPCIMTVILSQVSFWLNRESVPA
 TVFGVTTVLMTTSLISARNSLPKVAYATAMDWFIACVAFVFSALIEFATVNYFTKR
 GYAWDGKSVVPEKPKKVKDPLIKKNNTYAPTATSYTPNLARGDPGLATIAKSATIEPK
 EVKPETKPPPEPKKTFNSVSKIDRLSRIAFPLLFGIFNLVYWATYLNREPQLKAPTPHQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[GABRA1 gamma-aminobutyric acid \(GABA\) A receptor, alpha 1 \[Homo sapiens \]](#)

Official Symbol

[GABRA1](#)

Synonyms

GABRA1; gamma-aminobutyric acid (GABA) A receptor, alpha 1; gamma-aminobutyric acid receptor subunit alpha-1; EJM5; GABA(A) receptor; alpha 1; GABA(A) receptor, alpha 1; GABA(A) receptor subunit alpha-1; EJM; ECA4;

Gene ID

[2554](#)

mRNA Refseq

[NM_000806](#)

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Protein Refseq	NP_000797
MIM	137160
UniProt ID	P14867

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