

# Recombinant Full Length Human GABRA1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human GABRA1 full-length ORF ( NP_000797.2, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	456 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	78.2 kDa
<b>AA Sequence</b>	MRKSPGLSDCLWAWILLSTLTGRSYGQPSLQDELKDNTTVFTRILDRLLDGYDNRL RPGLGERVTEVKTDIFVTSFGPVSDHMEYTIDVFFRQSWKDERLKFKGPMTVLRL NNLMASKIWTPDTFFHNGKKSVAHNMTMPNKLLRITEDGTLTYMRLTVRAECPMH

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LEDFPMDAHACPLKFGSYAYTRAEVVYEWTPARSVVVAEDGSRLNQYDLLGQT  
 VDVGIVQSSTGEYVVMTHFHLKRKIGYFVIQTYLPCIMTVILSQVSFWLNRESV  
 TVFGVTTVLTMTTLLSISARNSLPKVAYATAMDWFIACVAFVFSALIEFATVNYFTKR  
 GYAWDGGKSVVPEKPKKVKDPLIKKNNTYAPTATSYTPNLARGDPGLATIAKSATIEPK  
 EVKPETKPEPKKTFNSVSKIDRLSRIAFPLLFGIFNLVYWATYLNREPQLKAPTPHQ

**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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