

Recombinant Full Length Human GABRA5 Protein, GST-tagged

Cat. No. GABRA5-5192HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GABRA5 full-length ORF (-, 1 a.a. - 462 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	462 amino acids
Description	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. Transcript variants utilizing three different alternative non-coding first exons have been described. [provided by RefSeq]
Molecular Mass	76.56 kDa
AA Sequence	MDNGMFSGFIMIKNLLFCISMNLSSHFGFSQMPTSSVKDETNDNITIFTRILDGLLDG YDNRRLRPLGERITQVRTDIYVTSFGPVSDTEMEYTIDVFFRQSWKDERLRFKGPM QRLPLNLLASKIWTPDTFFHNGKKSIAHNMTTPNKLPRLEDDGTLTYMRLTISAEC PMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWTNGSTKSVVVAEDGSRLNQYHLM GQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVILSQVSFWLNRESVP ARTVFGVTTVLTMTTSLISARNSLPKVAYATAMDWFIACVAFVFSALIEFATVNYFTK

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RGWAWDGKKALEAAKIKKKREVILNKSTNAFTTGKMSHPPNIPKEQTPAGTSNTTSV
SVKPSEEKTSESKKTYNSISKIDKMSRIVFPVLFGTFNLVYWATYLNREPVIKGAASP
K

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

GABRA5 gamma-aminobutyric acid (GABA) A receptor, alpha 5 [Homo sapiens]

Official Symbol

GABRA5

Synonyms

GABRA5; gamma-aminobutyric acid (GABA) A receptor, alpha 5; gamma-aminobutyric acid receptor subunit alpha-5; GABA(A) receptor; alpha 5; GABA(A) receptor, alpha 5; GABA(A) receptor subunit alpha-5; MGC138184;

Gene ID

2558

mRNA Refseq

NM_000810

Protein Refseq

NP_000801

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MIM	137142
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UniProt ID	P31644
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