

Recombinant Human GABRA5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GABRA5-1352H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GABRA5 MS Standard C13 and N15-labeled recombinant protein (NP_000801) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	52.15 kDa
AA Sequence	MDNGMFSGFIMIKNLLFCISMNLSSHFGFSQMPTSSVKDETNDNITIFTRILDGLLDG YDNRLRPGLGERITQVRTDIYVTSFGPVS DTEMEYTIDVFFRQSWKDERLRFKGPM QRLPLNLLASKIWTPDTFFHNGKKSIAHNMTTPNKLLREDDGTLTYMRLTISAEC PMQLEDFPMDAHACPLKFGSYAYPNSEVVYVWTNGSTKSVVVAEDGSRLNQYHLM GQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVILSQVSFWLNRESVP ARTVFGVTTVLTMTTLSISARNSLPKVAYATAMDWFIACVAFVFSALIEFATVNYFTK RGWAWDGKKALEAAKIKKKREVILNKSTNAFTTGKMSHPPNIPKEQTPAGTSNTTSV

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	SVKPSEKTSSESKKTYNSISKIDKMSRIVFPVLFGTFNLVYWATYLNREPVIKGAASP KSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GABRA5 gamma-aminobutyric acid type A receptor subunit alpha5 [Homo sapiens (human)]
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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