

Recombinant Human GABRA5 Protein, His-tagged

Cat. No. GABRA5-1545H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRA5 Protein (Gln32-Tyr259) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln32-Tyr259
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.7 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	GABRA5 gamma-aminobutyric acid (GABA) A receptor, alpha 5 [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
MIM	137142

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UniProt ID

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