

Recombinant Human GABRA6, His-tagged

Cat. No. GABRA6-13096H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRA6 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	329-424a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GABRA6 gamma-aminobutyric acid (GABA) A receptor, alpha 6 [Homo sapiens]
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Official Symbol	GABRA6
Synonyms	GABRA6; gamma-aminobutyric acid (GABA) A receptor, alpha 6; gamma-aminobutyric acid receptor subunit alpha-6; GABA(A) receptor; alpha 6; GABA(A) receptor, alpha 6; GABA subunit A receptor alpha 6; GABA(A) receptor subunit alpha-6; MGC116903; MGC116904;
Gene ID	2559
mRNA Refseq	NM_000811
Protein Refseq	NP_000802
MIM	137143
UniProt ID	Q16445
Chromosome Location	5q34
Pathway	GABA A receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem; GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Morphine addiction, organism-specific biosystem;
Function	GABA-A receptor activity; GABA-gated chloride ion channel activity; benzodiazepine receptor activity; chloride channel activity; drug binding; inhibitory extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;