

Recombinant Human GABRA5 293 Cell Lysate

Cat. No. GABRA5-6063HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for gamma-aminobutyric acid (GABA) A receptor, alpha 5 (GABRA5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

MIM

137142

UniProt ID

P31644

**Chromosome
Location**

15q12

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;

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Morphine addiction, organism-specific biosystem;

Function

GABA-A receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity; transporter activity;

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