Recombinant Human GABRA4 293 Cell Lysate

Cat. No. GABRA4-6064HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for gamma-aminobutyric acid (GABA) A receptor, alpha 4 (GABRA4) 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	GABRA4 gamma-aminobutyric acid (GABA) A receptor, alpha 4 [Homo sapiens]
Official Symbol	GABRA4
Synonyms	GABRA4; gamma-aminobutyric acid (GABA) A receptor, alpha 4; gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor; alpha 4; GABA(A) receptor, alpha 4;
Gene ID	2557
mRNA Refseq	NM_000809
Protein Refseq	NP_000800
MIM	137141
UniProt ID	P48169
Chromosome Location	4p12
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; benzodiazepine receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;

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