

Recombinant Human CHRN4 293 Cell Lysate

Cat. No. CHRN4-7511HCL Lot. No. (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for cholinergic receptor, nicotinic, beta 4 (CHRN4) 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. |
| 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 |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

| | |
|----------------------------|---|
| Gene Name | CHRNA4 cholinergic receptor, nicotinic, alpha 4 (neuronal) [Homo sapiens] |
| Official Symbol | CHRNA4 |
| Synonyms | CHRNA4; cholinergic receptor, nicotinic, alpha 4 (neuronal); cholinergic receptor, nicotinic, alpha polypeptide 4; neuronal acetylcholine receptor subunit alpha-4; acetylcholine receptor; nicotinic; alpha 4 (neuronal); neuronal nicotinic receptor alpha 4 subunit; acetylcholine receptor, nicotinic, alpha 4 (neuronal); |
| Gene ID | 1143 |
| mRNA Refseq | NM_000750 |
| Protein Refseq | NP_000741 |
| MIM | 118509 |
| UniProt ID | P30926 |
| Chromosome Location | 15q24 |
| Pathway | Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Highly calcium permeable nicotinic acetylcholine receptors, organism-specific biosystem; Highly calcium permeable postsynaptic nicotinic acetylcholine receptors, organism-specific biosystem; Highly |

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sodium permeable acetylcholine nicotinic receptors, organism-specific biosystem;
Neuroactive ligand-receptor interaction, organism-specific biosystem;

Function

acetylcholine binding; acetylcholine receptor activity; acetylcholine-activated cation-selective channel activity; extracellular ligand-gated ion channel activity; ligand-gated ion channel activity; receptor activity;

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