

Recombinant Human CHRNA10 293 Cell Lysate

Cat. No. CHRNA10-7516HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cholinergic receptor, nicotinic, alpha 10 (CHRNA10) 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

CHRNA10 cholinergic receptor, nicotinic, alpha 10 (neuronal) [Homo sapiens]

Official Symbol

CHRNA10

Synonyms

CHRNA10; cholinergic receptor, nicotinic, alpha 10 (neuronal); cholinergic receptor, nicotinic, alpha polypeptide 10; neuronal acetylcholine receptor subunit alpha-10; acetylcholine receptor; nicotinic; alpha 10 (neuronal); NACHR alpha-10; nicotinic acetylcholine receptor subunit alpha-10; acetylcholine receptor, nicotinic, alpha 10 (neuronal);

Gene ID

57053

mRNA Refseq

NM_020402

Protein Refseq

NP_065135

MIM

606372

UniProt ID

Q9GZZ6

**Chromosome
Location**

11p15.5

Pathway

Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

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Function

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

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