

Recombinant Human CHRND 293 Cell Lysate

Cat. No. CHRND-7510HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for cholinergic receptor, nicotinic, delta (CHRND) 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	CHRND cholinergic receptor, nicotinic, delta (muscle) [Homo sapiens]
Official Symbol	CHRND
Synonyms	CHRND; cholinergic receptor, nicotinic, delta (muscle); ACHRD, cholinergic receptor, nicotinic, delta; acetylcholine receptor subunit delta; acetylcholine receptor; nicotinic; delta (muscle); acetylcholine receptor, nicotinic, delta (muscle); cholinergic receptor, nicotinic, delta polypeptide; ACHRD; CMS2A; FCCMS; SCCMS;
Gene ID	1144
mRNA Refseq	NM_000751
Protein Refseq	NP_000742
MIM	100720
UniProt ID	Q07001
Chromosome Location	2q37.1
Pathway	Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Highly sodium permeable acetylcholine nicotinic receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Neuronal System, organism-

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specific biosystem; Neurotransmitter Receptor Binding And Downstream
Transmission In The Postsynaptic Cell, organism-specific biosystem;

Function

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

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