

Recombinant Human CHRFA7A 293 Cell Lysate

Cat. No. CHRFA7A-7522HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for CHRFA7 (cholinergic receptor, nicotinic, alpha 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion (CHRFA7A), transcript variant 2 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

CHRFAM7A CHRNA7 (cholinergic receptor, nicotinic, alpha 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion [Homo sapiens]

Official Symbol

CHRFAM7A

Synonyms

CHRFAM7A; CHRNA7 (cholinergic receptor, nicotinic, alpha 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion; CHRNA7-FAM7A fusion protein; CHRNA7 DR1; D 10; alpha-7 nicotinic cholinergic receptor subunit; alpha 7 neuronal nicotinic acetylcholine receptor-FAM7A hybrid; CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion; D-10; CHRNA7; CHRNA7-DR1; MGC120482; MGC120483;

Gene ID

89832

mRNA Refseq

NM_139320

Protein Refseq

NP_647536

MIM

609756

UniProt ID

Q494W8

**Chromosome
Location**

15q13.2

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Pathway

Acetylcholine Binding And Downstream Events, organism-specific biosystem;
Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Highly
calcium permeable postsynaptic nicotinic acetylcholine receptors, organism-specific
biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter
Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-
specific biosystem; Postsynaptic nicotinic acetylcholine receptors, organism-specific
biosystem; Transmission across Chemical Synapses, organism-specific biosystem;

Function

extracellular ligand-gated ion channel activity;

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