

Recombinant Human CHRM1 293 Cell Lysate

Cat. No. CHRM1-7521HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cholinergic receptor, muscarinic 1 (CHRM1) 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

CHRM1 cholinergic receptor, muscarinic 1 [Homo sapiens]

Official Symbol

CHRM1

Synonyms

CHRM1; cholinergic receptor, muscarinic 1; muscarinic acetylcholine receptor M1; acetylcholine receptor; muscarinic 1; acetylcholine receptor, muscarinic 1; M1; HM1; M1R; MGC30125;

Gene ID

1128

mRNA Refseq

NM_000738

Protein Refseq

NP_000729

MIM

118510

UniProt ID

P11229

**Chromosome
Location**

11q12-q13

Pathway

Amine ligand-binding receptors, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Cholinergic synapse, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors),

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organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem;

Function

G-protein coupled acetylcholine receptor activity; G-protein coupled receptor activity; drug binding; phosphatidylinositol phospholipase C activity; receptor activity; signal transducer activity;

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