

Recombinant Human PDE4C 293 Cell Lysate

Cat. No. PDE4C-3351HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 duncce homolog, Drosophila) (PDE4C), transcript variant 1 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

PDE4C phosphodiesterase 4C, cAMP-specific [Homo sapiens]

Official Symbol

PDE4C

Synonyms

PDE4C; phosphodiesterase 4C, cAMP-specific; DPDE1, phosphodiesterase 4C, cAMP specific (dunce (Drosophila) homolog phosphodiesterase E1); cAMP-specific 3,5-cyclic phosphodiesterase 4C; phosphodiesterase E1 dunce homolog (Drosophila); PDE21; phosphodiesterase E1 dunce homolog; phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila); DPDE1; MGC126222;

Gene ID

5143

mRNA Refseq

NM_000923

Protein Refseq

NP_000914

MIM

600128

UniProt ID

Q08493

**Chromosome
Location**

19p13.11

Pathway

DARPP-32 events, organism-specific biosystem; G Protein Signaling Pathways,

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organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Opioid Signalling, organism-specific biosystem;

Function

3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; drug binding; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity;

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