

Recombinant Human PDE6D 293 Cell Lysate

Cat. No. PDE6D-3345HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for phosphodiesterase 6D, cGMP-specific, rod, delta (PDE6D) 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

PDE6D phosphodiesterase 6D, cGMP-specific, rod, delta [Homo sapiens]

Official Symbol

PDE6D

Synonyms

PDE6D; phosphodiesterase 6D, cGMP-specific, rod, delta; retinal rod rhodopsin-sensitive cGMP 3,5-cyclic phosphodiesterase subunit delta; protein p17; GMP-PDE delta; PDED;

Gene ID

5147

mRNA Refseq

NM_002601

Protein Refseq

NP_002592

MIM

602676

UniProt ID

O43924

Chromosome Location

2q35-q36

Pathway

Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem;

Function

3,5-cyclic-nucleotide phosphodiesterase activity; GTPase inhibitor activity; protein

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