

Recombinant Human PDE6G 293 Cell Lysate

Cat. No. PDE6G-3344HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphodiesterase 6G, cGMP-specific, rod, gamma (PDE6G), 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

PDE6G phosphodiesterase 6G, cGMP-specific, rod, gamma [Homo sapiens]

Official Symbol

PDE6G

Synonyms

PDE6G; phosphodiesterase 6G, cGMP-specific, rod, gamma; PDEG; retinal rod rhodopsin-sensitive cGMP 3,5-cyclic phosphodiesterase subunit gamma; rod cG-PDE G; GMP-PDE gamma; RP57; MGC125749; DKFZp686C0587;

Gene ID

5148

mRNA Refseq

NM_002602

Protein Refseq

NP_002593

MIM

180073

UniProt ID

P18545

**Chromosome
Location**

17q21.1

Pathway

Hemostasis, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Phototransduction, organism-specific biosystem; Phototransduction, conserved biosystem; Platelet homeostasis, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism,

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conserved biosystem;

Function

3,5-cyclic-GMP phosphodiesterase activity; cGMP binding; enzyme inhibitor activity; hydrolase activity;

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