

Recombinant Human PPIF 293 Cell Lysate

Cat. No. PPIF-2970HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for peptidylprolyl isomerase F (PPIF), nuclear gene encoding mitochondrial protein 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 PPIF peptidylprolyl isomerase F [Homo sapiens]

Official Symbol PPIF

Synonyms PPIF; peptidylprolyl isomerase F; peptidylprolyl isomerase F (cyclophilin F); peptidyl-prolyl cis-trans isomerase F, mitochondrial; cyclophilin D; Cyp D; hCyP3; PPIase F; rotamase F; cyclophilin 3; cyclophilin F; peptidyl-prolyl cis-trans isomerase, mitochondrial; CYP3; Cyp-D; FLJ90798; MGC117207;

Gene ID 10105

mRNA Refseq NM_005729

Protein Refseq NP_005720

MIM 604486

UniProt ID P30405

Chromosome Location 10q22-q23

Pathway Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Parkinsons disease, organism-specific biosystem;

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Toxoplasmosis, organism-specific biosystem; Toxoplasmosis, conserved biosystem;

Function

cyclosporin A binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;

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