

Recombinant Human PPIA 293 Cell Lysate

Cat. No. PPIA-2975HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for peptidylprolyl isomerase A (cyclophilin A) (PPIA) 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

PPIA peptidylprolyl isomerase A (cyclophilin A) [Homo sapiens]

Official Symbol

PPIA

Synonyms

PPIA; peptidylprolyl isomerase A (cyclophilin A); peptidyl-prolyl cis-trans isomerase A; CYPA; PPIase A; rotamase A; cyclophilin; T cell cyclophilin; cyclosporin A-binding protein; CYPH; MGC12404; MGC23397; MGC117158;

Gene ID

5478

mRNA Refseq

NM_021130

Protein Refseq

NP_066953

MIM

123840

UniProt ID

P62937

**Chromosome
Location**

7p13

Pathway

APOBEC3G mediated resistance to HIV-1 infection, organism-specific biosystem; Basigin interactions, organism-specific biosystem; Binding and entry of HIV virion, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Disease, organism-specific biosystem; Early Phase of HIV Life

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Cycle, organism-specific biosystem; HIV Infection, organism-specific biosystem;

Function

isomerase activity; peptide binding; peptidyl-prolyl cis-trans isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding; unfolded protein binding; virion binding;

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