Recombinant Human PPP1R14A 293 Cell Lysate

Cat. No. PPP1R14A-2945HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1, regulatory (inhibitor) subunit 14A (PPP1R14A) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	PPP1R14A protein phosphatase 1, regulatory (inhibitor) subunit 14A [Homo sapiens]
Official Symbol	PPP1R14A
Synonyms	PPP1R14A; protein phosphatase 1, regulatory (inhibitor) subunit 14A; PPP1INL; protein phosphatase 1 regulatory subunit 14A; 17 kDa PKC potentiated inhibitory protein of PP1; 17 KDa protein; CPI 17; PKC potentiated inhibitory protein of PP1; 17-KDa protein; PKC-potentiated inhibitory protein of PP1; 17 kDa PKC-potentiated inhibitory protein of PP1; 17-kDa PKC-potentiated inhibitory protein of PP1; protein kinase C-potentiated inhibitor protein of 17 kDa; CPI17; CPI-17;
Gene ID	94274
mRNA Refseq	NM_001243947
Protein Refseq	NP_001230876
MIM	608153
UniProt ID	Q96A00
Chromosome Location	19q13.1

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Pathway	Vascular smooth muscle contraction, organism-specific biosystem; Vascular smooth muscle contraction, conserved biosystem;
Function	protein phosphatase inhibitor activity;

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