Recombinant Human PPP1R1A 293 Cell Lysate

Cat. No. PPP1R1A-2941HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1, regulatory (inhibitor) subunit 1A (PPP1R1A) 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	PPP1R1A protein phosphatase 1, regulatory (inhibitor) subunit 1A [Homo sapiens]
Official Symbol	PPP1R1A
Synonyms	PPP1R1A; protein phosphatase 1, regulatory (inhibitor) subunit 1A; protein phosphatase 1 regulatory subunit 1A; I-1; IPP-1; inhibitor-1; protein phosphatase inhibitor 1; protein phosphatase inhibitor-1; I1; IPP1;
Gene ID	5502
mRNA Refseq	NM_006741
Protein Refseq	NP_006732
MIM	613246
UniProt ID	Q13522
Chromosome Location	12q13.2
Pathway	Long-term potentiation, organism-specific biosystem; Long-term potentiation, conserved biosystem;
Function	protein binding; protein serine/threonine phosphatase inhibitor activity;

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