Recombinant Human PPP2R1A 293 Cell Lysate

Cat. No. PPP2R1A-2926HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform (PPP2R1A) 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	PPP2R1A protein phosphatase 2, regulatory subunit A, alpha [Homo sapiens]
Official Symbol	PPP2R1A
Synonyms	PPP2R1A; protein phosphatase 2, regulatory subunit A, alpha; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform , protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform; serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform; PP2A Aalpha; PR65A; protein phosphatase 2; 65kDa regulatory subunit A; protein phosphatase 2A; regulatory subunit A; alpha isoform; PP2A subunit A isoform R1-alpha; PP2A subunit A isoform PR65-alpha; medium tumor antigen-associated 61 KDA protein; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform; serine/threonine protein phosphatase 2A, 65 kDa regulatory subunit A, alpha isoform; PP2AAALPHA; MGC786; PP2A-Aalpha;
Gene ID	5518
mRNA Refseq	NM_014225
Protein Refseq	NP_055040
MIM	605983
UniProt ID	P30153

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Chromosome Location	19q13
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;
Function	antigen binding; protein binding; protein heterodimerization activity; protein phosphatase type 2A regulator activity; protein serine/threonine phosphatase activity;

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