Recombinant Human PPP2R4 293 Cell Lysate

Cat. No. PPP2R4-2919HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 2A activator, regulatory subunit 4 (PPP2R4), transcript variant 2 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	PPP2R4 protein phosphatase 2A activator, regulatory subunit 4 [Homo sapiens]
Official Symbol	PPP2R4
Synonyms	PPP2R4; protein phosphatase 2A activator, regulatory subunit 4; protein phosphatase 2A, regulatory subunit B (PR 53); serine/threonine-protein phosphatase 2A activator; phosphotyrosyl phosphatase activator; PP2A phosphatase activator; PR53; PTPA; PP2A subunit B isoform PR53; serine/threonine-protein phosphatase 2A regulatory subunit B; PP2A; MGC2184;
Gene ID	5524
mRNA Refseq	NM_001193397
Protein Refseq	NP_001180326
MIM	600756
UniProt ID	Q15257
Chromosome Location	9q34
Pathway	Glycogen Metabolism, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem; Validated targets of C-MYC transcriptional repression,

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	organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem; p53 pathway, organism-specific biosystem;
Function	ATP binding; contributes_to ATPase activity; isomerase activity; nucleotide binding; peptidyl-prolyl cis-trans isomerase activity; phosphatase activator activity; protein heterodimerization activity; protein homodimerization activity; protein phosphatase 2A binding; protein phosphatase type 2A regulator activity; protein phosphatase type 2A regulator activity; protein tyrosine phosphatase activator activity; receptor binding;

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