Recombinant Human PPP2R2A 293 Cell Lysate

Cat. No. PPP2R2A-2924HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha isoform (PPP2R2A) 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	PPP2R2A protein phosphatase 2, regulatory subunit B, alpha [Homo sapiens]
Official Symbol	PPP2R2A
Synonyms	B55A; PR52A; PR55A; B55ALPHA; serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform; protein phosphatase 2 (formerly 2A), regulatory subunit B (PR52), alpha isoform; serine/threonine protein phosphatase 2A, 55 KDA regulatory subunit B, alpha isoform
Gene ID	5520
mRNA Refseq	NM_002717
Protein Refseq	NP_002708
MIM	604941
UniProt ID	P63151
Chromosome Location	8p21.2
Pathway	AMPK signaling pathway, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Dopaminergic synapse, conserved biosystem

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Function	protein binding; protein serine/threonine phosphatase activity

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