

Recombinant Human PPP2R3A 293 Cell Lysate

Cat. No. PPP2R3A-2921HCL **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 (PPP2R3A), 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

PPP2R3A protein phosphatase 2, regulatory subunit B, alpha [Homo sapiens]

Official Symbol

PPP2R3A

Synonyms

PPP2R3A; protein phosphatase 2, regulatory subunit B, alpha; PPP2R3, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 72), alpha isoform and (PR 130), beta isoform , protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha; serine/threonine-protein phosphatase 2A regulatory subunit B subunit alpha; PP2A, subunit B, R3 isoform; PP2A subunit B isoforms B72/B130; serine/threonine-protein phosphatase 2A 72/130 kDa regulatory subunit B; protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 72), alpha isoform and (PR 130), beta isoform; PR72; PR130; PPP2R3;

Gene ID

5523

mRNA Refseq

NM_001190447

Protein Refseq

NP_001177376

MIM

604944

UniProt ID

Q06190

**Chromosome
Location**

3q22.2-q22.3

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Pathway

Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; Glycogen Metabolism, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem; mRNA surveillance pathway, organism-specific biosystem; mRNA surveillance pathway, conserved biosystem;

Function

calcium ion binding; protein binding; protein phosphatase type 2A regulator activity;

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