

Recombinant Human PPP1R3A 293 Cell Lysate

Cat. No. PPP1R3A-2936HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1, regulatory (inhibitor) subunit 3A (PPP1R3A) 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

PPP1R3A protein phosphatase 1, regulatory subunit 3A [Homo sapiens]

Official Symbol

PPP1R3A

Synonyms

PPP1R3A; protein phosphatase 1, regulatory subunit 3A; PPP1R3, protein phosphatase 1, regulatory (inhibitor) subunit 3A , protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle); protein phosphatase 1 regulatory subunit 3A; glycogen associated regulatory subunit of protein phosphatase 1; GM; protein phosphatase 1 regulatory subunit GM; RG1; serine /threonine specific protein phosphatase; protein phosphatase type-1 glycogen targeting subunit; protein phosphatase 1, regulatory (inhibitor) subunit 3A; protein phosphatase 1 glycogen-associated regulatory subunit; protein phosphatase 1 glycogen- associated regulatory subunit; glycogen-associated regulatory subunit of protein phosphatase-1; glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle; type-1 protein phosphatase skeletal muscle glycogen targeting subunit; PP1G; PPP1R3;

Gene ID

5506

mRNA Refseq

NM_002711

Protein Refseq

NP_002702

MIM

600917

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UniProt ID	Q16821
Chromosome Location	7q31.1
Pathway	Insulin Signaling, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; Insulin-mediated glucose transport, organism-specific biosystem;

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