

Recombinant Human PPP1R15A 293 Cell Lysate

Cat. No. PPP1R15A-2943HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1, regulatory (inhibitor) subunit 15A (PPP1R15A) 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

PPP1R15A protein phosphatase 1, regulatory subunit 15A [Homo sapiens]

Official Symbol

PPP1R15A

Synonyms

PPP1R15A; protein phosphatase 1, regulatory subunit 15A; protein phosphatase 1, regulatory (inhibitor) subunit 15A; protein phosphatase 1 regulatory subunit 15A; GADD34; growth arrest and DNA damage inducible 34; growth arrest and DNA-damage-inducible 34; growth arrest and DNA damage-inducible protein GADD34; myeloid differentiation primary response protein MyD116 homolog;

Gene ID

23645

mRNA Refseq

NM_014330

Protein Refseq

NP_055145

MIM

611048

UniProt ID

O75807

**Chromosome
Location**

19q13.2

Pathway

BMP receptor signaling, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in

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endoplasmic reticulum, conserved biosystem; TGF-beta receptor signaling, organism-specific biosystem;

Function

protein binding;

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