

Recombinant Human PPP3R2 293 Cell Lysate

Cat. No. PPP3R2-2912HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 3 (formerly 2B), regulatory subunit B, beta isoform (PPP3R2) 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

PPP3R2 protein phosphatase 3, regulatory subunit B, beta [Homo sapiens]

Official Symbol

PPP3R2

Synonyms

PPP3R2; protein phosphatase 3, regulatory subunit B, beta; protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), beta isoform (calcineurin B, type II) , protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II) , protein phosphatase 3 (formerly 2B), regulatory subunit B, beta isoform; calcineurin subunit B type 2; calcineurin B; type II (19kDa); PPP3RL; protein phosphatase 2B regulatory subunit 2; protein phosphatase 3; regulatory subunit B (calcineurin B) like; CBLP; CNBII; calcineurin BII; calcineurin B-like protein; calcineurin B, type II (19kDa); protein phosphatase 3 regulatory subunit B beta isoform; protein phosphatase 3 (formerly 2B), regulatory subunit B, beta isoform; protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), beta isoform (calcineurin B, type II); protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II);

Gene ID

5535

mRNA Refseq

NM_147180

Protein Refseq

NP_671709

MIM

613821

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UniProt ID	Q96LZ3
Chromosome Location	9q31
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem;
Function	calcium ion binding;

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