

Recombinant Human PPP1R12B 293 Cell Lysate

Cat. No. PPP1R12B-2946HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1, regulatory (inhibitor) subunit 12B (PPP1R12B), transcript variant 4 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	PPP1R12B protein phosphatase 1, regulatory subunit 12B [Homo sapiens]
Official Symbol	PPP1R12B
Synonyms	MYPT2; PP1bp55; protein phosphatase 1 regulatory subunit 12B; myosin phosphatase target subunit 2; myosin phosphatase, target subunit 2; myosin phosphatase-targeting subunit 2; protein phosphatase 1, regulatory (inhibitor) subunit 12B
Gene ID	4660
mRNA Refseq	NM_032104
Protein Refseq	NP_115287
MIM	603768
UniProt ID	O60237
Chromosome Location	1q32.1
Pathway	Cell Cycle, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Proteoglycans in cancer, conserved biosystem

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Function

enzyme activator activity

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