

Recombinant Human PARN 293 Cell Lysate

Cat. No. PARN-3430HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for poly(A)-specific ribonuclease (deadenylation nuclease) (PARN), transcript variant 1 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

PARN poly(A)-specific ribonuclease [Homo sapiens]

Official Symbol

PARN

Synonyms

PARN; poly(A)-specific ribonuclease; poly(A) specific ribonuclease (deadenylation nuclease); poly(A)-specific ribonuclease PARN; DAN; deadenylation nuclease; deadenylating nuclease; polyadenylate-specific ribonuclease; poly(A)-specific ribonuclease (deadenylation nuclease);

Gene ID

5073

mRNA Refseq

NM_001134477

Protein Refseq

NP_001127949

MIM

604212

UniProt ID

O95453

Chromosome Location

16p13

Pathway

Activation of Genes by ATF4, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Destabilization of mRNA by KSRP, organism-specific biosystem;

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Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem;

Function

RNA binding; exonuclease activity; hydrolase activity; mRNA 3-UTR binding; metal ion binding; nuclease activity; nucleotide binding; poly(A)-specific ribonuclease activity; protein kinase binding;

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