

Recombinant Human PARN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PARN-473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PARN MS Standard C13 and N15-labeled recombinant protein (NP_002573) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a 3'-exoribonuclease, with similarity to the RNase D family of 3'-exonucleases. It prefers poly(A) as the substrate, hence, efficiently degrades poly(A) tails of mRNAs. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	73.5 kDa
AA Sequence	MEIIRSNFKSNLHKVYQAIEEADFFAIDGEFSGISDGPSVSALTNGFDTPEERYQKLK KHSMDFLLFQFGLCTFKYDYTDISKYITKSFNFYVFPKPFNRSSPDVKFVCQSSSIDFL ASQGFDNFNKFVRNGIPYLNQEEERQLREQYDEKRSQANGAGALSIVSPNTSKCPVT IPEDQKKFIDQVVEKIEDLLQSEENKNLDLEPCTGFQRKLIYQTLNWKYPKGIHVETLE TEKKERYIVISKVDEEERKRREQQKHAKQEELNDAVGFSRVIHAIANSGKLVIGHNM

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LLDVMHTVHQFYCPLPADLSEFKEMTTCVFPRLDTKLMASTQPFKDIINNTSLAELE
 KRLKETPFNPPKVESAEGFPSYDTASEQLHEAGYDAYITGLCFISMANYLGSFLSPP
 KIHVSARSKLIEPFFNKLFLMRVMDIPYLNLEGPDLQPKRDHVLHVTFPKEWKTSPLY
 QLFSAFGNIQISWIDDTSAFVSLSQPEQVKIAVNTSKYAESYRIQTYAEYMGRKQEEK
 QIKRKWTEDSWKEADSKRLNPQCIPYTLQNHYYRNNSTAPSTVGKRNLSPSQEEA
 GLEDGVSGEISDTELEQTDSCAEPLSEGRKKAKKLKRMKKELSPAGSISKNSPATLF
 EVPDTWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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

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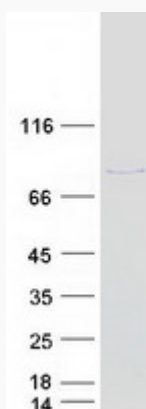
mRNA Refseq [NM_002582](#)

Protein Refseq [NP_002573](#)

MIM [604212](#)

UniProt ID [O95453](#)

SDS-PAGE



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