

Recombinant Full Length Human PARN Protein, C-Flag-tagged

Cat. No. PARN-548HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PARN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	73.3 kDa
AA Sequence	MEIIRSNFKSNLHKVYQAIEEADFFAIDGEFSGISDGPSVSALTNGFDTPEERYQKLK KHSMDFLLFQFG LCTFKYDYTDSKYITKSFNFYVFPKPFNRSSPDVKFVCQSSSIDF LASQGFDFNKVFRNGIPYLNQEEER QLREQYDEKRSQANGAGALSYVSPNTSKCP VTIPEDQKKFIDQVVEKIEDLLQSEENKNLDLEPCTGFQR KLIYQTLWKYPKGIHVE TLETEKKERYIVISKVDEEERKRREQQKHAKEQEELNDVGFSRVIAHAIANS GKLIVIG

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HNMLLDVMHTVHQFYCPLPADLSEFKEMTTCVFPRLDCLKMASTQPFKDIINNTSL
 AELEKRL KETPFNPPKVESAEGFPSYDTASEQLHEAGYDAYITGLCFISMANYLGSL
 LSPPKIHVSARSKLIEFFN KLFLMRVMDIPYLNLEGPDLQPKRDHVLHVTFPKEWKT
 SDLYQLFSAFGNIQISWIDDTSAFVLSQPEQ VKIAVNTSKYAESYRIQTYAEYMGRK
 QEEKQIKRKWTEDSWKEADSKRLNPQCIPYTLQNHYYRNNSFTA PSTVGKRNLSP
 SQEEAGLEDGVSGEISDTELEQTDSCAEPLSEGRKKAKKLKRMKKELSPAGSISKNS
 PA
 TLFEVPDTWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Protein Pathways	RNA degradation
Full Length	Full L.

GENE INFORMATION

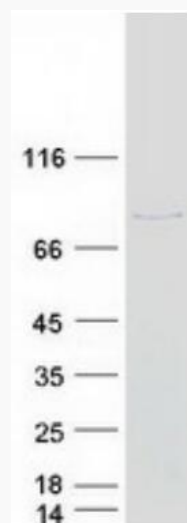
Gene Name PARN poly(A)-specific ribonuclease [Homo sapiens (human)]

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Official Symbol	PARN
Synonyms	DAN; DKCB6; PFBMFT4
Gene ID	5073
mRNA Refseq	NM_002582.4
Protein Refseq	NP_002573.1
MIM	604212
UniProt ID	O95453



Coomassie blue staining of purified PARN protein.