

## Product datasheet for TP307220L

### PARN (NM\_002582) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human poly(A)-specific ribonuclease (deadenylation nuclease) (PARN), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC207220 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEIIRSNFKSNLHKVYQAIEEADFFAIDGEGFSGISDGPVSALTNGFDTPPEERYQKLKHSMDFLLFQFG  
LCTFKYDYTDSKYITKSFNFYVFPKPFNRSSPDVKFVCQSSSIDFLASQGFDFNKVFRNGIPYLNQEEER  
QLREQYDEKRSQANGAGALSYVSPNTSKCPVTIPEDQKKFIDQVVEKIEDLLQSEENKNLDLEPCTGFQR  
KLIYQTLWKYPKGIHVETLETEKKERYIVISKVDEEERKRREQQKHAKEQEELNDAVGFSRVIHAANS  
GKLVIGHNMLLDVMHTVHQFYCPLPADLSEFKEMTTCVFPRLDTKLMASTQPFKDIINNTSLAELEKRL  
KETPFNPPKVESAEGFPSYDTASEQLHEAGYDAYITGLCFISMANYLGSFLSPPKIHVSARSKLIEPFFN  
KLFLMRVMDIPYLNLEGPDLQPKRDHVLHVTFPKWKTS DLYQLFSAFGNIQISWIDDTSAFVLSLQPEQ  
VKIAVNTSKYAESYRIQTYAAYMGRKQEEKQIKRWKTEDSWKEADSKRLNPQCIPYTLQNHYYRNNSFTA  
PSTVGKRNLSPSQEEAGLEDGVSGEISDTELEQTDSCAEPLSEGRKKAKKLRMKKELSPAGSISKNSPA  
TLFEVPDTW

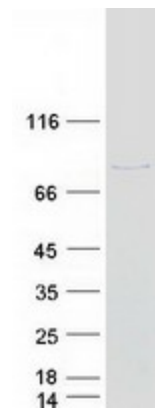
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	73.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002573</a>
<b>Locus ID:</b>	5073
<b>UniProt ID:</b>	<a href="#">O95453</a> , <a href="#">B3KN69</a>
<b>RefSeq Size:</b>	3083
<b>Cytogenetics:</b>	16p13.12
<b>RefSeq ORF:</b>	1917
<b>Synonyms:</b>	DAN; DKCB6; PFBMFT4
<b>Summary:</b>	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. [provided by RefSeq, Aug 2008]
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	RNA degradation

**Product images:**

Coomassie blue staining of purified PARN protein (Cat# [TP307220]). The protein was produced from HEK293T cells transfected with PARN cDNA clone (Cat# [RC207220]) using MegaTran 2.0 (Cat# [TT210002]).