

## Product datasheet for PH307220

### PARN (NM\_002582) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PARN MS Standard C13 and N15-labeled recombinant protein (NP_002573)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207220
Predicted MW:	73.5 kDa
Protein Sequence:	>RC207220 protein sequence Red=Cloning site Green=Tags(s)

MEIIRSNFKSNLHKVYQAIEEADFFAIDGFEFSGISDGPVSVALTNGFDTPPEERYQKLKKHSMDFLLFQFG  
LCTFKYDYTDSKYITKSFNFYVFPKPFNRSSPDVKFVCQSSSIDFLASQGFDFNKVFRNGIPYLNQEEER  
QLREQYDEKRSQANGAGALSYVSPNTSKCPVTIPEDQKKFIDQVVEKIEDLLQSEENKNDLEPCTGFQR  
KLIYQTLQSWKYPKGIHVETLETEKKERYIVISKVDEEERKRREQKHAKQEELNDVAVGFSRVIHAANS  
GKLVIGHNMLLDVMHTVHQFYCPLPADLSEFKEMTTCVFPRLDCLKMASTQPFKDIINNTSLAELEKRL  
KETPFNPPKVESAEGFPSYDTASEQLHEAGYDAYITGLCFISMANYLGSFLSPPKIHVSARSKLIEPFFN  
KLFMRVMDIPYLNLEGPDLQPKRDHVLHVTFPKEWKTSDLYQLFSAFGNIQISWIDDTSAFVLSQPEQ  
VKIAVNTSKYAESYRIQTYAEYMGRKQEEKQIKRKWTEDSWKEADSKRLNPQCIPYTLQNHYYRNSFTA  
PSTVGRNLSPSQEEAGLEDGVSGEISDTELEQTDSCAEPLSEGRKKAKKLRMKKELSPAGSISKNSPA  
TLFEVPDTW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_002573</a></u>
RefSeq Size:	3083



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RefSeq ORF: 1917

Synonyms: DAN; DKCB6; PFBMFT4

Locus ID: 5073

UniProt ID: [O95453](#), [B3KN69](#)

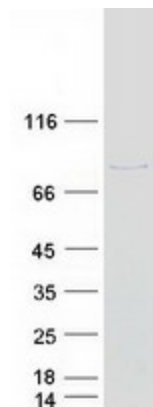
Cytogenetics: 16p13.12

**Summary:** 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]

**Protein Families:** Transcription Factors

**Protein Pathways:** 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]).