



# Recombinant Human Poly (A)-specific ribonuclease PARN (PARN)

<b>Product Code</b>	CSB-BP017456HU
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O95453
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEIIRSNFKSNLHKVYQAIIEADFFAIDGEFSGISDGPSVSALTNGFDTPPEERYQ KLKKHSMDFLLFQFGLCTFKYDYTDSKYITKSFNFYVFPKPFNRSSPDVKFVCQ SSSIDFLASQGFDFNKVFRNGIPYLNQEEERQLREQYDEKRSQANGAGALSYV SPNTSKCPVTIPEDQKKFIDQVVEKIEDLLQSEENKNLDLEPCTGFQRKLIYQTL SWKYPKGIHVETLETEKKERYIVISKVDEEERKRREQQKHAKEQEELNDAVGF SRVIHAIANSGLVIGHNMLLDVMHTVHQFYCPLPADLSEFKEMTTCVFPRLLD TKLMASTQPFKDIINNTSLAELEKRLKETPFNPPKVESAEGFPSYDTASEQLHE AGYDAYITGLCFISMANYLGSFLSPPKIHVSARSKLIIEFFNKLFLMRVMDIPYL NLEGPDLQPKRDHVLHVTFPKEWKTSPLYQLFSAFGNIQISWIDDTSAFVSLSQ PEQVKIAVNTSKYAESYRIQTYAEYMGRKQEEKQIKRKWTEDSWKEADSKRL NPQCIPYTLQNHYYRNNSFTAPSTVGKRNLSPSQEEAGLEDGVSGEISDTELE QTDSCAEPLSEGRKKAKKLRMKKELSPAGSISKNSPATLFEVPDTW
<b>Research Area</b>	Transcription
<b>Source</b>	Baculovirus
<b>Target Names</b>	PARN
<b>Protein Names</b>	Recommended name: Poly(A)-specific ribonuclease PARN EC= 3.1.13.4 Alternative name(s): Deadenylating nuclease Deadenylation nuclease Polyadenylate-specific ribonuclease
<b>Expression Region</b>	1-639aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length
<b>Target Details</b>	This protein 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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