

Datasheet for ABIN5710067

PARN Protein (AA 1-639, full length) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	PARN
Protein Characteristics:	AA 1-639, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARN protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>MEIIRSNFKS NLHKVYQAIE EADFFAIDGE FSGISDGPSV SALTNGFDTP EERYQKLKKH SMDFLLQFG LCTFKYDYTD SKYITKSFNF YVFPKPFNRS SPDVKFVCQS SSIDFLASQG FDNKNVFRNG IPYLNQEEER QLREQYDEKR SQANGAGALS YVSPNTSKCP VTIPEDQKKF IDQVVEKIED LLQSEENKNL DLEPCTGFQR KLIYQTLNWK YPKGIHVETL ETEKKERYIV ISKVDEEERK RREQQKHAKE QEELNDAVGF SRVIHAIANS GKLVIHGNML LDVMHTVHQF YCPLPADLSE FKEMTTCVFP RLLDTKLMAS TQPFKDIINN TSLAELEKRL KETPFNPPKV ESAEGFPSYD TASEQLHEAG YDAYITGLCF ISMANYLGSF LSPPKIHVSA RSKLIEPFFN KLFLMRVMDI PYLNLEGPDL QPKRDHVLHV TFPKEWKTSD LYQLFSAFGN IQISWIDDTN AFVLSLQPEQ VKIAVNTSKY AESYRIQTYA EYMGRKQEEK QIKRKWTEDS WKEADSKRLN PQCIPYTLQN HYYRNNSTFA PSTVGKRNLN PSQEEAGLED GVSGEISDTE LEQTDSCAEP LSEGRKKAKK LKRMKKELSP AGSISKNSPA TLFEVPDTW</p>
Purification:	SDS-PAGE

Product Details

Purity: > 90 %

Target Details

Target: PARN

Alternative Name: PARN ([PARN Products](#))

Background: 3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early bryonic development. Interacts with both the 3'-end poly(A) tail and the 5'-end cap structure during degradation, the interaction with the cap structure being required for an efficient degradation of poly(A) tails. Involved in nonsense-mediated mRNA decay, a critical process of selective degradation of mRNAs that contain premature stop codons. Also involved in degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3'-UTR, possibly via its interaction with KHSRP. Probably mediates the removal of poly(A) tails of AREs mRNAs, which constitutes the first step of destabilization.

Molecular Weight: 77.5 kDa

UniProt: [O95453](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

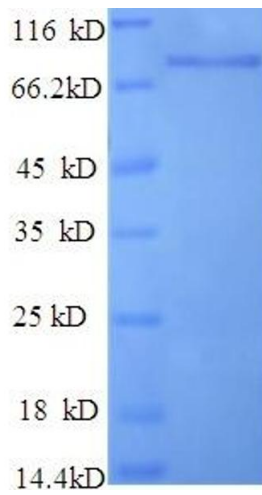
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.