

Datasheet for ABIN7554912
PARN Protein (AA 1-639) (His tag)



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Overview

Quantity:	1 mg
Target:	PARN
Protein Characteristics:	AA 1-639
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARN protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PARN Protein expressed in mammalien cells.
Sequence:	MEIIRSNFKS NLHKVYQAIE EADFFAIDGE FSGISDGPSV SALTNGFDTP EERYQKLKKH SMDFLLFQFG LCTFKYDYTD SKYITKSFNF YVFPKPFNRS SPDVKFVCQS SSIDFLASQG FDNKNVFRNG IPYLNQEEER QLREQYDEKR SQANGAGALS YVSPNTSKCP VTIPEDQKKF IDQVVEKIED LLQSEENKNL DLEPCTGFQR KLIYQTLSWK YPKGIHVETL ETEKKERYIV ISKVDEEERK RREQQKHAK EELNDAVGF SRVIHAIANS GKL VIGHNML LDVMHTVHQF YCPLPADLSE FKEMTTCVFP RLLDTKLMAS TQPFKDIINN TSLAELEKRL KETPFNPPKV ESAEGFPSYD TASEQLHEAG YDAYITGLCF ISMANYLGSF LSPPKIHVSA RSKLIEPFFN KLFLMRVMDI PYLNLEGPDL QPKRDHVLHV TFPKEWKTSD LYQLFSAFGN IQISWIDDT S AFVLSLQPEQ VKIAVNTSKY AESYRIQTYA EYMGRKQEEK QIKRKWTEDS WKEADSKRLN PQCIPYTLQN HYYRNNSFTA PSTVGKRNL SPSQEEAGLED GVSGEISDTE LEQTDSCAEP LSEGRKKAKK LKRMKKELSP AGSISKNSPA TLFEVPDTW Sequence without tag. The proposed

Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PARN

Alternative Name:

PARN ([PARN Products](#))

Background:

Poly(A)-specific ribonuclease PARN (EC 3.1.13.4) (Deadenylating nuclease) (Deadenylation nuclease) (Polyadenylate-specific ribonuclease),FUNCTION: 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 embryonic 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,

Target Details

possibly via its interaction with KHSRP. Probably mediates the removal of poly(A) tails of AREs mRNAs, which constitutes the first step of destabilization (PubMed:10882133, PubMed:11359775, PubMed:12748283, PubMed:15175153, PubMed:9736620). Also able to recognize and trim poly(A) tails of microRNAs such as MIR21 and H/ACA box snoRNAs (small nucleolar RNAs) leading to microRNAs degradation or snoRNA increased stability (PubMed:25049417, PubMed:22442037). {ECO:0000269|PubMed:10882133, ECO:0000269|PubMed:11359775, ECO:0000269|PubMed:12748283, ECO:0000269|PubMed:15175153, ECO:0000269|PubMed:22442037, ECO:0000269|PubMed:25049417, ECO:0000269|PubMed:9736620}.

Molecular Weight: 73.5 kDa

UniProt: [O95453](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months