

Datasheet for ABIN7551499

HNRNPA1 Protein (AA 1-372) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HNRNPA1
Protein Characteristics:	AA 1-372
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HNRNPA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HNRNPA1 Protein expressed in mammalian cells.
Sequence:	MSKSESPKEP EQLRKLFIGG LSFETTDESL RSHFEQWGTL TDCVVMRDPN TKRSRGFGFV TYATVEEVDA AMNARPHKVD GRVVEPKRAV SREDSQRPGA HLTVKKIFVG GIKEDTEHH LRDYFEQYGK IEVIEIMTDR GSGKKRGFAF VTFDDHDSVD KIVIQKYHTV NGHNCVRKA LSKQEMASAS SSQRGRSGSG NFGGGRGGGF GGNDNFGRRG NFSGRGGFGG SRGGGGYGGS GDGYNGFGND GGYGGGGPGY SGGSRGYSGG GQGYGNQGS YGSGGSYDSY NNGGGGGFGG GSGSNFGGGG SYNDFGNYYN QSSNFGPMKG GNFGGRSSGP YGGGGQYFAK PRNQGGYGGS SSSSYGSGR RF 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	HNRNPA1
Alternative Name:	HNRNPA1 (HNRNPA1 Products)
Background:	Heterogeneous nuclear ribonucleoprotein A1 (hnRNP A1) (Helix-destabilizing protein) (Single-strand RNA-binding protein) (hnRNP core protein A1) [Cleaved into: Heterogeneous nuclear ribonucleoprotein A1, N-terminally processed],FUNCTION: Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and modulation of splice site selection (PubMed:17371836). Plays a role in the splicing of pyruvate kinase PKM by binding repressively to sequences flanking PKM exon 9, inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production of the PKM M2 isoform (PubMed:20010808). Binds to the IRES and thereby inhibits the translation of the apoptosis protease activating factor APAF1 (PubMed:31498791). May bind to specific miRNA hairpins (PubMed:28431233). {ECO:0000269 PubMed:17371836, ECO:0000269 PubMed:20010808, ECO:0000269 PubMed:28431233, ECO:0000269 PubMed:31498791}., FUNCTION: (Microbial infection) May play a role in HCV RNA replication. {ECO:0000269 PubMed:17229681}., FUNCTION: (Microbial infection) Cleavage by Enterovirus 71 protease 3C results in increased translation of apoptosis protease activating factor APAF1, leading to apoptosis.

Target Details

	{ECO:0000269 PubMed:17229681}.
Molecular Weight:	38.7 kDa
UniProt:	P09651

Application Details

Application Notes:	We expect the protein to work for functional studies. 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