

Datasheet for ABIN7555982
CIRH1A Protein (AA 1-686) (His tag)



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Overview

Quantity:	1 mg
Target:	CIRH1A
Protein Characteristics:	AA 1-686
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CIRH1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UTP4 Protein expressed in mammalian cells.
Sequence:	MGEFKVHRVR FFNYVPSGIR CVAYNNQSNR LAVSRTDGTV EIYNLSANYF QEKFFPGHES RATEALCWAE GQRLFSAGLN GEIMEYDLQA LNIKYAMDAF GGPIWSMAAS PSGSQLLVGC EDGSVKLFQI TPDKIQFERN FDRQKSRILS LSWHPSGTHI AAGSIDYISV FDKVSGSAVH KMIVDRQYMG VSKRKCIVWG VAFLSDGTII SVDSAGKVQF WDSATGTLVK SHLIANADVQ SIAVADQEDS FVVGTAEGTV FHFQLVPVTS NSSEKQWVRT KPFQHHTHDV RTVAHSPTAL ISGGTDTHLV FRPLMEKVEV KNYDAALRKI TFPHRCLISC SKKRQLLLFQ FAHHLWLRL GSTVATGKNG DTLPLSKNAD HLLHLKTKGP ENIICSCISP CGSWIAYSTV SRFFLYRLNY EHDNISLKRK SKMPAFLRSA LQILFSEDST KLFVASNQGA LHIVQLSGGS FKHLHAFQPQ SGTVEAMCLL AVSPDGNWLA ASGTSAGVHV YNVKQLKLHC TVPAYNFPVT AMAIAPNTNN LVIAHSDQQV FEYSIPDKQY TDWSRTVQKQ GFHHLWLQRD TPITHISFHP KRPMHILLHD AYMFCIIDKS LPLPNDKTLL YNPFPPPTNES DVIRRRTAHA FKISKIYKPL LFMDDLLDERT LVAVERPLDD IIAQLPPIK KKKFGT Sequence without tag. The proposed Purification-Tag is

Product Details

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:

- 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: CIRH1A

Alternative Name: UTP4 ([CIRH1A Products](#))

Background: U3 small nucleolar RNA-associated protein 4 homolog (Cirhin) (UTP4 small subunit processome component),FUNCTION: Ribosome biogenesis factor. Involved in nucleolar processing of pre-18S ribosomal RNA. Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted d Involved in SSU pre-rRNA processing at sites A', A0, 1 and 2b. Required for optimal pre-ribosomal RNA transcription by RNA polymerase (PubMed:17699751, PubMed:19732766, PubMed:34516797). May be a

Target Details

transcriptional regulator (PubMed:22916032). {ECO:0000269|PubMed:17699751, ECO:0000269|PubMed:19732766, ECO:0000269|PubMed:22916032, ECO:0000269|PubMed:34516797}., FUNCTION: (Microbial infection) Acts as a positive regulator of HIVEP1 which specifically binds to the DNA sequence 5'-GGGACTTTCC-3' found in enhancer elements of numerous viral promoters such as those of HIV-1, SV40, or CMV. {ECO:0000269|PubMed:19732766}.

Molecular Weight: 76.9 kDa

UniProt: [Q969X6](#)

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