

Datasheet for ABIN7546794
CIAPIN1 Protein (AA 1-312) (His tag)



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Overview

Quantity:	1 mg
Target:	CIAPIN1
Protein Characteristics:	AA 1-312
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CIAPIN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CIAPIN1 Protein expressed in mammalian cells.
Sequence:	MADFGISAGQ FVAVVWDKSS PVEALKGLVD KLQALTGNEG RVSVENIKQL LQSAHKESFF DIILSGLVPG STTLHSAEIL AEIARILRPG GCLFLKEPVE TAVDNNSKVK TASKLCSALT LSGLVEVKEL QREPLTPEEV QSVREHLGHE SDNLLFVQIT GKKNPFEVGS SRQLKLSITK KSSPSVKPAV DPAAAKLWTL SANDMEDDSM DLIDSDELDD PEDLKKPDPA SLRAASCPEG KKRKACKNCT CGLAEELEKE KSREQMSSQP KSACGNCYLG DAFRCASCPY LGMPAFKPGE KVLLSDSNLH DA 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)
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Grade:	custom-made
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Target Details

Target:	CIAPIN1
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Alternative Name:	CIAPIN1 (CIAPIN1 Products)
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Background:	<p>Anamorsin (Cytokine-induced apoptosis inhibitor 1) (Fe-S cluster assembly protein DRE2 homolog),FUNCTION: Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis, facilitating the de novo assembly of a [4Fe-4S] cluster on the scaffold complex NUBP1-NUBP2. Electrons are transferred to CIAPIN1 from NADPH via the FAD- and FMN-containing protein NDOR1 (PubMed:23596212). NDOR1-CIAPIN1 are also required for the assembly of the diferric tyrosyl radical cofactor of ribonucleotide reductase (RNR), probably by providing electrons for reduction during radical cofactor maturation in the catalytic small subunit (By similarity). Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells (By similarity).</p> <p>{ECO:0000250 UniProtKB:P36152, ECO:0000250 UniProtKB:Q8WTY4, ECO:0000255 HAMAP-Rule:MF_03115, ECO:0000269 PubMed:23596212}.</p>
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Molecular Weight:	33.6 kDa
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Target Details

UniProt: [Q6F181](#)

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