

Datasheet for ABIN7547046
DCP1A Protein (AA 1-582) (His tag)



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Overview

Quantity:	1 mg
Target:	DCP1A
Protein Characteristics:	AA 1-582
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCP1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DCP1A Protein expressed in mammalian cells.
Sequence:	<p>MEALSRAGQE MSLAALKQHD PYITSIADLT GQVALYTFCP KANQWEKTDI EGTLFVYRRS</p> <p>ASPHYHGFTIV NRLNMHNLVE PVNKDLEFQL HEPFLLYRNA SLSIYSIWFY DKNDCHRIAK</p> <p>LMADVVEEET RRSQQAARDK QSPSQANGCS DHRPIDILEM LSRKDEYER NQMGDSNISS</p> <p>PGLQPSTQLS NLGSTETLEE MPSGSQDKSA PSGHKHLTVE ELFGTSLPKE QPAVVGLDSE</p> <p>EMERLPGDAS QKEPNSFLPF PFEQLGGAPQ SETLGVPSAA HHSVQPEITT PVLITPASIT</p> <p>QSNEKHPTY TIPLSPVLSP TLP AEAPTAQ VPPSLPRNST MMQAVKTTTPR QRSPLLNPV</p> <p>PELSHASLIA NQSPFRAPLN VTNTAGTSLP SVDLLQKLRL TPQHDQIQTQ PLGKGAMVAS</p> <p>FSPAAGQLAT PESFIEPPSK TAAARVAASA SLSNMVLAPL QSMQQNQDPE VFVQPKVLSS</p> <p>AIPVAGAPLV TATTTAVSSV LLAPSVFQQT VTRSSDLERK ASSPSPLTIG TPESQRKPSI</p> <p>ILSKSQLQDT LIHLIKNDSS FLSTLHEVYL QVLTKNKDNH NL 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</p>

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: DCP1A

Alternative Name: DCP1A ([DCP1A Products](#))

Background: mRNA-decapping enzyme 1A (EC 3.6.1.62) (Smad4-interacting transcriptional co-activator) (Transcription factor SMIF),FUNCTION: Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay (PubMed:12417715). Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP (PubMed:12417715). Contributes to the transactivation of target genes after stimulation by TGFB1 (PubMed:11836524). Essential for embryonic development (PubMed:33813271). {ECO:0000269|PubMed:11836524, ECO:0000269|PubMed:12417715, ECO:0000269|PubMed:33813271}.

Molecular Weight: 63.3 kDa

Target Details

UniProt: [Q9NPI6](#)

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