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Datasheet for ABIN7560111

**BCDIN3D Protein (AA 1-285) (His tag)**

## Overview

Quantity:	1 mg
Target:	BCDIN3D
Protein Characteristics:	AA 1-285
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCDIN3D protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Bcdin3d Protein expressed in mammalien cells.
Sequence:	MAADGTL SRG GVGEAVEEEH PGALEPGAAP FGNFPHYSRF HPPEQRLRLL PPELLRQLFP PEGPEKRPIL GLDVGCNSGD LSVALYKHFL SPRDGETCSG ASRELRLCC DIDPVLVERA ERDCPFPEAL TFITLDIMDQ ESRKVPLSSF LSQFGRSVFD MVFCMSVTMW IHLNHGDRGL CEFLAHVSSL CSYLLVEPQP WKCYRAAARR LRKLG LHSFD HFRSLAIRGD MAKQIVRILT QDHGMELACC FGNTSWDRSL LLFRAKHTHE TQAIPESS TK ETRTD <b>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.</b>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	BCDIN3D
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Alternative Name:	Bcdin3d ( <a href="#">BCDIN3D Products</a> )
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Background:	RNA 5'-monophosphate methyltransferase (EC 2.1.1.-) (BCDIN3 domain-containing protein),FUNCTION: O-methyltransferase that specifically monomethylates 5'-monophosphate of cytoplasmic histidyl tRNA (tRNA(His)), acting as a capping enzyme by protecting tRNA(His) from cleavage by DICER1. Also able, with less efficiently, to methylate the 5' monophosphate of a subset of pre-miRNAs, acting as a negative regulator of miRNA processing. The 5' monophosphate of pre-miRNAs is recognized by DICER1 and is required for pre-miRNAs processing: methylation at this position reduces the processing of pre-miRNAs by DICER1. Was also reported to mediate dimethylation of pre-miR-145, however dimethylation cannot be reproduced by another group which observes a monomethylation of pre-miR-145. {ECO:0000250 UniProtKB:Q7Z5W3}.
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Molecular Weight:	32.0 kDa
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UniProt:	<a href="#">Q91YP1</a>
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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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