

Datasheet for ABIN7554530
MDFIC Protein (AA 1-246) (His tag)



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Overview

Quantity:	1 mg
Target:	MDFIC
Protein Characteristics:	AA 1-246
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MDFIC protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MDFIC Protein expressed in mammalian cells.
Sequence:	<p>MSGAGEALAP GPGVGPQRVAE AGGGQLGSTA QGKCDKDNTK KDTQATNSH FTHGEMQDQS</p> <p>IWGNPSDGEL IRTQPQRLPQ LQTSQVPSG EEIGIKKNGH TGLSNGNGIH HGAKHGSADN</p> <p>RKLSAPVSQK MHRKIQSSLS VNSDISKSKS VNAVFSQKTG SSPEDCCVHC ILACLFCEFL</p> <p>TLCNIVLGQA SCGICTSEAC CCCCGLDEMGD DCNCPDMDK GIMDACCESS DCLEICMECC</p> <p>GICFPS 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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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, Western Blot
Grade:	custom-made

Target Details

Target:	MDFIC
Alternative Name:	MDFIC (MDFIC Products)
Background:	<p>MyoD family inhibitor domain-containing protein (I-mfa domain-containing protein) (hIC),FUNCTION: Required to control the activity of various transcription factors through their sequestration in the cytoplasm. Retains nuclear Zic proteins ZIC1, ZIC2 and ZIC3 in the cytoplasm and inhibits their transcriptional activation (By similarity). Modulates the expression from both cellular and viral promoters. Down-regulates Tat-dependent transcription of the human immunodeficiency virus type 1 (HIV-1) LTR by interacting with HIV-1 Tat and Rev and impairing their nuclear import, probably by rendering the NLS domains inaccessible to importin-beta (PubMed:16260749, PubMed:12944466, Ref.6). Also stimulates activation of human T-cell leukemia virus type I (HTLV-I) LTR (PubMed:10671520). Binds to the axin complex, resulting in an increase in the level of free beta-catenin (PubMed:12192039). Affects axin regulation of the WNT and JNK signaling pathways (PubMed:12192039). Has a role in the development of lymphatic vessel valves. It is required to promote lymphatic endothelial cell migration, in a process that involves down-regulation of integrin beta 1 activation and control of cell adhesion to the extracellular matrix (PubMed:35235341) (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q8BX65, ECO:0000269 PubMed:10671520, ECO:0000269 PubMed:12192039, ECO:0000269 PubMed:12944466, ECO:0000269 PubMed:16260749, ECO:0000269 PubMed:35235341, ECO:0000269 Ref.6}.</p>

Target Details

Molecular Weight: 25.8 kDa

UniProt: [Q9P1T7](#)

Application Details

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.

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