

Datasheet for ABIN7554496  
**MTDH Protein (AA 1-582) (His tag)**



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## Overview

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

## Product Details

Purpose:	Custom-made recombinant MTDH Protein expressed in mammalian cells.
Sequence:	MAARSWQDEL AQAEEGSAR LREMLSVGLG FLRTELGLDL GLEPKRYPGW VILVGTGALG LLLLFLLGYG WAAACAGARK KRRSPPRKRE EAAAVPAAAP DDLALLKNLR SEEQKKKNRK KLSEKPKPNG RTVEVAEGEA VRTPOSVTAK QPPEIDKKNE KSKKNKKKSK SDAKAVQNSS RHDGKEVDEG AWETKISHRE KRQQRKRDV LTDSGSLDST IPGIENTITV TTEQLTTASF PVGSKKNKGD SHLNVQSNF KSGKGDSTLQ VSSGLNENLT VNGGGWNEKS VKLSSQISAG EEKWNSVSPA SAGKRKTEPS AWSQDTGDAN TNGKDWGRSW SDRSIFSGIG STAEPVSQST TSDYQWDVSR NQPYIDDEWS GLNGLSSADP NSDWNAPAE WGNWVDEERA SLLKSQEPIP DDQKVSDDDK EKGEALPTG KSKKKKKKKK KQGEDNSTAQ DTEELEKEIR EDLPVNTSKT RPKQEKAFSL KTISTSDPAE VLVKNSQPIK TLPPATSTEP SVILSKSDSD KSSSQVPPII QETDKSKSNT KQNSVPPSQT KSETSWESPK QIKKKKKARR ET <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</b>

## Product Details

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### **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

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**Target:** MTDH

**Alternative Name:** MTDH ([MTDH Products](#))

**Background:** Protein LYRIC (3D3/LYRIC) (Astrocyte elevated gene-1 protein) (AEG-1) (Lysine-rich CEACAM1 co-isolated protein) (Metadherin) (Metastasis adhesion protein),FUNCTION: Down-regulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance. {ECO:0000269|PubMed:15927426, ECO:0000269|PubMed:16452207, ECO:0000269|PubMed:18316612, ECO:0000269|PubMed:19111877}.

## Target Details

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Molecular Weight:	63.8 kDa
UniProt:	<a href="#">Q86UE4</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin, Cell-Cell Junction Organization</a>

## Application Details

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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

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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