Datasheet for ABIN7562733

MT-ND4L Protein (AA 1-98) (His tag)

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Overview

Quantity:	1 mg
Target:	MT-ND4L
Protein Characteristics:	AA 1-98
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MT-ND4L protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mtnd4l Protein expressed in mammalian cells.
Sequence:	MPSTFFNLTM AFSLSLLGTL MFRSHLMSTL LCLEGMVLSL FIMTSVTSLN SNSMSSMPIP ITILVFAACE AAVGLALLVK VSNTYGTDYV QNLNLLQC **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: • 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.

Product Details

	• 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:	MT-ND4L
Alternative Name:	Mtnd4l (MT-ND4L Products)
Background:	NADH-ubiquinone oxidoreductase chain 4L (EC 7.1.1.2) (NADH dehydrogenase subunit 4L),FUNCTION: Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which catalyzes electron transfer from NADH through the respiratory chain, using ubiquinone as an electron acceptor (PubMed:29915388). Part of the enzyme membrane arm which is embedded in the lipid bilayer and involved in proton translocation (PubMed:29915388). {ECO:0000269|PubMed:29915388}.
Molecular Weight:	10.6 kDa
UniProt:	P03903

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

Handling

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