

Datasheet for ABIN7562735
MT-ND5 Protein (AA 1-607) (His tag)



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Overview

Quantity:	1 mg
Target:	MT-ND5
Protein Characteristics:	AA 1-607
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MT-ND5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MtnD5 Protein expressed in mammalian cells.
Sequence:	<p>MNIFTTSILL IFILLSPIL ISMSNLIKHI NFPLYTTTTSI KFSFIISLLP LLMFFHNNME YMITTWHHWVT MNSMELKMSF KTDFFSILFT SVALFVTWSI MQFSSWYMHS DPNINRFIKY LTLFLITMLI LTSANNMFQL FIGWEGVGIM SFLLIGWWYG RTDANTAALQ AILYNRIGDI GFILAMVWFS LNMNSWELQQ IMFSNNNDNL IPLMGLLIAA TGKSAQFGLH PWLPSAMEGP TPVSALLHSS TMVVAGIFLL VRFHPLTTNN NFILTTMLCL GALTTLFTAI CALTQNDIKK IIAFSTSSQL GLMMVTLGMN QPHLAF LHIC THAFFKAMLF MCSGSIHSL ADEQDIRKMG NITKIMPFTS SCLVIGSLAL TGMPFLTGFY SKDLIEAIN TCNTNAWALL ITLIATSMTA MYSMRIIFV TMTKPRFPPL ISINENDPDL MNPIKRLAFG SIFAGFVISY NIPPTSIPVL TMPWFLKTTA LIISVLGFLI ALELNNLTMK LSMNKANPYS SFSTLLGFFP SIIHRITPMK SLNLSLKTSL TLLDLIWLEK TIPKSTSTLH TNMTTLTTNQ KGLIKLYFMS FLINIILIII LYSINLE 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>

Product Details

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: MT-ND5

Alternative Name: Mtnd5 ([MT-ND5 Products](#))

Background: NADH-ubiquinone oxidoreductase chain 5 (EC 7.1.1.2) (NADH dehydrogenase subunit 5),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. Essential for the catalytic activity and assembly of complex I. {ECO:0000250|UniProtKB:P03915}.

Molecular Weight: 68.5 kDa

UniProt: [P03921](#)

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