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Datasheet for ABIN7562717

**Cytochrome b Protein (AA 1-381) (His tag)**

## Overview

Quantity:	1 mg
Target:	Cytochrome b (MT-CYB)
Protein Characteristics:	AA 1-381
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cytochrome b protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Mt-Cyb Protein expressed in mammalien cells.
Sequence:	<p>MTNMRKTHPL FKIINHSDID LPAPSNISSW WNFSGLLGVC LMVQITGLF LAMHYTSDTM TAFSSVTHIC RDVNYGWLIR YMHANGASMF FICLFLHVGR GLYYGSYTFM ETWNIGVLLL FAVMATAFMG YVLPWQMSF WGATVITNLL SAIPYIGTTL VEVIWGGFSV DKATLTRFFA FHFILPFIIA ALAIVHLLFL HETGSNNPTG LNSDADKIPF HPYYTIKDIL GILIMFLILM TLVLFPPDML GDPDNYMPAN PLNTPPHIKP EWYFLFAYAI LRSIPNKLGG VLALILSILI LALMPFLHTS KQRSLMFRPI TQILYWILVA NLLILTWIGG QPVEHPFIII GQLASISYFS IILILMPISG IIEDKMLKLY P</p> <p><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></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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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:	Cytochrome b (MT-CYB)
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Alternative Name:	Mt-Cyb ( <a href="#">MT-CYB Products</a> )
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Background:	Cytochrome b (Complex III subunit 3) (Complex III subunit III) (Cytochrome b-c1 complex subunit 3) (Ubiquinol-cytochrome-c reductase complex cytochrome b subunit),FUNCTION: Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex) that is part of the mitochondrial respiratory chain. The b-c1 complex mediates electron transfer from ubiquinol to cytochrome c. Contributes to the generation of a proton gradient across the mitochondrial membrane that is then used for ATP synthesis. {ECO:0000250 UniProtKB:P00157}.
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Molecular Weight:	43.2 kDa
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UniProt:	<a href="#">P00158</a>
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Pathways:	<a href="#">Proton Transport</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
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## Application Details

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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

## 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