Datasheet for ABIN7552540

MT-ATP6 Protein (AA 1-226) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	MT-ATP6
Protein Characteristics:	AA 1-226
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MT-ATP6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MT-ATP6 Protein expressed in mammalian cells.
Sequence:	MNENLFASFI APTILGLPAA VLIILFPPLL IPTSKYLINN RLITTQQWLI KLTSKQMMTM HNTKGRTWSL MLVSLIIFIA TTNLLGLLPH SFTPTTQLSM NLAMAIPLWA GTVIMGFRSK IKNALAHFLP QGTPTPLIPM LVIIETISLL IQPMALAVRL TANITAGHLL MHLIGSATLA MSTINLPSTL IIFTILILLT ILEIAVALIQ AYVFTLLVSL YLHDNT **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.

Product Details

	• 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-ATP6
Alternative Name:	MT-ATP6 (MT-ATP6 Products)
Background:	ATP synthase subunit a (F-ATPase protein 6),FUNCTION: Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Key component of the proton channel, it may play a direct role in the translocation of protons across the membrane.
Molecular Weight:	24.8 kDa
UniProt:	P00846
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

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