



Datasheet for ABIN5709103

ATP5A1 Protein (AA 44-553) (His-SUMO Tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ATP5A1
Protein Characteristics:	AA 44-553
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP5A1 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>QKTGTAEMSS ILEERILGAD TSDVLEETGR VLSIGDGIAR VHGLRNVQAE EMVEFSSGLK GMSLNLEPDN VGVVVFVFNK LIKEGDIVKR TGAIVDVPVG EELLGRVDA LGNAIDGKGP IGSKTRRRRVG LKAPGIIPRI SVREPMQTGI KAVDSLVPVIG RGQRELIIGD RQTGKTSIAI DTIINQKRFN DGSDEKKKLY CIYVAIGQKR STVAQLVKRL TDADAMKYTI VVSATASDAA PLQYLAPYSG CSMGEYFRDN GKHALIYDD LSKQAVAYRQ MSLLLRRPPG REAYPGDVFY LHSRLLERAA KMNDAFGGGS LTALPVIETQ AGDVSAYIPT NVISITDGQI FLETFLYKQ IRPAINVGLS VSRVGSAAQT RAMKQVAGTM KLELAQYREV AAFAQFGSDL DAATQQLSR GVRLTELLKQ GQYSPMAIEE QVAVIYAGVR GYLDKLEPSK ITKFENAFLS HVVSQHQALL GTIRADGKIS EQSDAKLKEI VTNFLAGFEA</p>
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

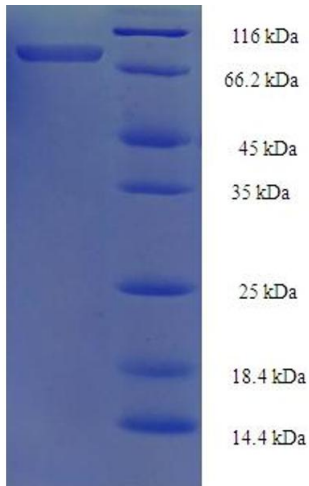
Target:	ATP5A1
Alternative Name:	ATPA (ATP5A1 Products)
Background:	<p>Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the mbrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core, and F0 - containing the mbrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Subunits alpha and beta form the catalytic core in F1. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits. Subunit alpha does not bear the catalytic high-affinity ATP-binding sites .</p>
Molecular Weight:	71.18 kDa
UniProt:	P25705
Pathways:	Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.