Datasheet for ABIN5709107

ATPC1 Protein (AA 23-168) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	ATPC1
Protein Characteristics:	AA 23-168
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATPC1 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	AEAAAAPAAA SGPNQMSFTF ASPTQVFFNG ANVRQVDVPT LTGAFGILAA HVPTLQVLRP GLVVVHAEDG TTSKYFVSSG SIAVNADSSV QLLAEEAVTL DMLDLGAAKA NLEKAQAELV GTADEATRAE IQIRIEANEA LVKALE
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	ATPC1
Alternative Name:	ATPD (ATPC1 Products)
Background:	Mitochondrial mbrane 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

Target Details

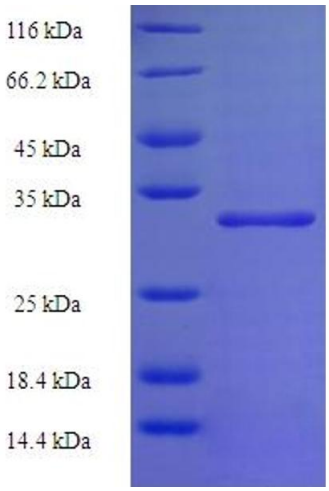
	transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extrambraneous catalytic core, and F0 - containing the mbrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP turnover in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F1 domain and of the central stalk which is part of the complex rotary elent. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.
Molecular Weight:	31.01 kDa
UniProt:	P30049

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.