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Datasheet for ABIN5712073

ATPC1 Protein (AA 43-161, partial) (GST tag)

1 Image

Overview

Quantity:	100 µg
Target:	ATPC1
Protein Characteristics:	AA 43-161, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATPC1 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ASPTQVFFNG ANVRQVDVPT LTGAFGILAA HVPTLQVLRP GLVVVHAEDG TTSKYFVSSG SIAVNADSSV QLLAEAEAVTL DMLDLGAACA NLEKAQAELV GTADEATRAE IQIRIEANE
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 transport complexes of the respiratory chain. F-type ATPases consist of two structural

Target Details

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 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: 39.8 kDa

UniProt: [P30049](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

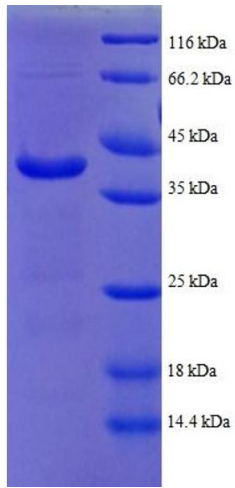
Format: Liquid

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.