Datasheet for ABIN6386767

ATP5F1D Protein (AA 23-168) (His tag)

1 Image

Go to Product page

Overview

Quantity:	50 µg
Target:	ATP5F1D
Protein Characteristics:	AA 23-168
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP5F1D protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	ATP5D, 23-168aa, Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	ATP5F1D
Alternative Name:	ATP5D (ATP5F1D Products)
Background:	ATP5D, also known as F-ATPase delta subunit, catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha,

Target Details

	beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This protein is the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified. Recombinant human ATP5D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Synonyms: ATP synthase subunit delta, mitochondrial, F-ATPase delta subunit. NCBI no.: NP_001678
Molecular Weight:	17.3 kDa (167aa), confirmed by MALDI-TOF
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

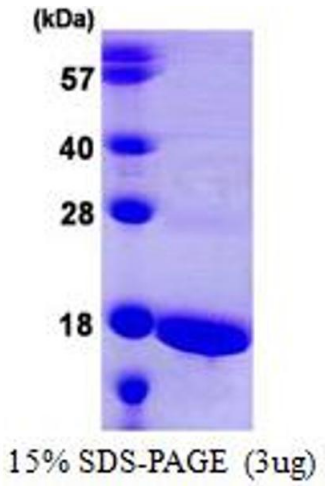
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/ml (determined by Bradford assay)
Buffer:	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl
Storage:	4 °C

Images



SDS-PAGE

Image 1.