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Datasheet for ABIN1095565 UQCRFS1 Protein (AA 79-274, full length) (GST tag)

1 Image

2 Publications



Overview

Quantity:	100 µg
Target:	UQCRFS1
Protein Characteristics:	AA 79-274, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UQCRFS1 protein is labelled with GST tag.
Application:	ELISA
Product Details	
Sequence:	SHTDIKVPDF SEYRRLEVLD STKSSRESSE ARKGFSYLVT GVTTVGVAYA AKNAVTQFVS
	SMSASADVLA LAKIEIKLSD IPEGKNMAFK WRGKPLFVRH RTQKEIEQEA AVELSQLRDP
	QHDLDRVKKP EWVILIGVCT HLGCVPIANA GDFGGYYCPC HGSHYDASGR IRLGPAPLNL
	EVPTYEFTSD DMVIVG
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien
	cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %
Target Details	
Target:	UQCRFS1
Alternative Name:	Cytochrome b-c1 complex subunit Rieske, mitochondrial protein (UQCRFS1 Products)

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Target Details	
Background:	Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis. The transit peptide of the Rieske protein seems to form part of the bc1 complex and is considered to be the subunit 11/IX of that complex.
Molecular Weight:	49 kD
UniProt:	P47985
Pathways:	Proton Transport

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system
	for secretion and intracellular expression. A protein expressed by the mammalian cell system is
	of very high-quality and close to the natural protein. But the low expression level, the high cost
	of medium and the culture conditions restrict the promotion of mammalian cell expression
	systems. The yeast protein expression system serve as a eukaryotic system integrate the
	advantages of the mammalian cell expression system. A protein expressed by yeast system
	could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the
	native protein conformation. It can be used to produce protein material with high added value
	that is very close to the natural protein. Our proteins produced by yeast expression system has
	been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

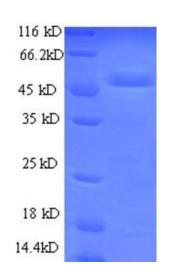
Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

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Product cited in:

Yakirevich, Naot: "Cloning of a glucose phosphate isomerase/neuroleukin-like sperm antigen involved in sperm agglutination." in: **Biology of reproduction**, Vol. 62, Issue 4, pp. 1016-23, (2000) (PubMed).

Images



SDS-PAGE

Image 1. Ubiquinol-Cytochrome C Reductase, Rieske Iron-Sulfur Polypeptide 1 (UQCRFS1) (AA 79-274), (full length) protein (GST tag)

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