antibodies

Datasheet for ABIN1473941 ATP5B Protein (AA 47-529) (His tag)



Overview	
Quantity:	1 mg
Target:	ATP5B
Protein Characteristics:	AA 47-529
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP5B protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AAQS SAAPKAGTAT GQIVAVIGAV VDVQFDEGLP PILNALEVQG RESRLVLEVA QHLGESTVRT
	IAMDGTEGLV RGQKVLDSGA PIKIPVGPET LGRIMNVIGE PIDERGPIKT KQFAPIHAEA
	PEFIEMSVEQ EILVTGIKVV DLLAPYAKGG KIGLFGGAGV GKTVLIMELI NNVAKAHGGY
	SVFAGVGERT REGNDLYHEM IESGVINLKD ATSKVALVYG QMNEPPGARA RVALTGLTVA
	EYFRDQEGQD VLLFIDNIFR FTQAGSEVSA LLGRIPSAVG YQPTLATDMG TMQERITTTK
	KGSITSVQAI YVPADDLTDP APATTFAHLD ATTVLSRAIA ELGIYPAVDP LDSTSRIMDP
	NIVGSEHYDV ARGVQKILQD YKSLQDIIAI LGMDELSEED KLTVSRARKI QRFLSQPFQV
	AEVFTGHMGK LVPLKETIKG FQQILAGDYD HLPEQAFYMV GPIEEAVAKA DKLAEEHGS
Specificity:	Rattus norvegicus (Rat)
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.

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Product Details

Purity:

> 90 %

Target Details

Target:	ATP5B
Alternative Name:	ATP synthase subunit beta, mitochondrial (Atp5b) (ATP5B Products)
Background:	Recommended name: ATP synthase subunit beta, mitochondrial. EC= 3.6.3.14
UniProt:	P10719
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

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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