Datasheet for ABIN1610349

ATP6V1A Protein (AA 1-283) (His tag)

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Overview

Quantity:	1 mg
Target:	ATP6V1A
Protein Characteristics:	AA 1-283
Origin:	Candida sp.
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP6V1A protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAGALENARK EIKRLSLDDT NESQYGQIYS VSGPVVIAEN MIGCAMYELV KVGHDNLVGE VIRINGDKAT IQVYEETAGV TVGDPVLRTG KPLSVELGPG LMETIYDGIQ RPLKAIKDES QSIYIPRGID VPALSRTVQY DFTPGQLKVG DHITGGDIFG SIYENSLLDD HKILLPPRAR GTITSIAEAG SYNVEEPVLE VEFDGKKHKY SMMHTWPVRV PRPVAEKLTA DHPLLTGQRV LDSLFPCVQG GTTCIPGAFG CGKTVISQSL SKFSNSDVII YVG
Specificity:	Candida tropicalis (Yeast)
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:	ATP6V1A
Alternative Name:	V-type proton ATPase catalytic subunit A (VMA1) (ATP6V1A Products)
Background:	Recommended name: V-type proton ATPase catalytic subunit A. Short name= V-ATPase subunit A. EC= 3.6.3.14. Alternative name(s): Vacuolar proton pump subunit A Cleaved into the following chain: 1. Endonuclease PI-CtrI. EC= 2. 3.1.-.-. Alternative name(s): Ctr VMA intein VMA1-derived endonuclease. Short name= VDE
UniProt:	P38078
Pathways:	Transition Metal Ion Homeostasis, Proton Transport, SARS-CoV-2 Protein Interactome

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

Handling

	one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.