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Datasheet for ABIN1664087
ACS1 Protein (AA 1-473) (His tag)

Overview

Quantity:	1 mg
Target:	ACS1
Protein Characteristics:	AA 1-473
Origin:	Apple
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACS1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MRMLSRNATF NSHGQDSSYF LGWQEYEKNP YHEVHNTNGI IQMGLAENQL CFDLLESWLA KNPEAAAFKK NGESIFAELA LFDYHGLPA FKKAMVDFMA EIRGNKVTFD PNHLVLTAGA TSANETFIFC LADPGEAVLI PTPYYPGFDR DLKWRVTGVEI VPIHCTSSNG FQITETALEE AYQEAEKRNRL RVKGVLVLTNP SNPLGTTMTR NELYLLLSFV EDKGIHLISD EIYSGTAFSS PSFISVMEVL KDRNCDENSE VWQRVHVYVS LSKDLGLPGF RVGAIYSNDD MVVAAATKMS SFGLVSSQTQ HLLSAMLSDK KLTKNYIAEN HKRLKQRQKK LVSGLQKSGI SCLNGNAGLF CWVDMRHLLR SNTFEAEMEL WKKIVYEVHL NISPGSSCHC TEPGWFRVCF ANLPERTLDL AMQRLKAFVG EYINVPEVNG GSQSSHLSHS RRQSLTKWVS RLSFDDRGPI PGR
Specificity:	Malus domestica (Apple) (Pyrus malus)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: ACS1

Alternative Name: 1-aminocyclopropane-1-carboxylate synthase (ACS-1) ([ACS1 Products](#))

Background: Recommended name: 1-aminocyclopropane-1-carboxylate synthase.
Short name= ACC synthase.
EC= 4.4.1.14.
Alternative name(s): S-adenosyl-L-methionine methylthioadenosine-lyase

UniProt: [P37821](#)

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 modified 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

Handling

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