Datasheet for ABIN7591287

CAD1 Protein (AA 1-485) (His tag)

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Overview

Quantity:	100 µg
Target:	CAD1
Protein Characteristics:	AA 1-485
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAD1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAMASLYRRS LPSPPAIDFS SAEGKLIFNE ALQKGTMEGF FRLISYFQTQ SEPAYCGLAS LSVVLNALSI DPGRKWKGPW RWFDESMLDC CEPLEVVKEK GISFGKVVCL AHCSGAKVEA FRTSQSTIDD FRKFVVKCTS SENCHMISTY HRGVFKQTGT GHFSPIGGYN AERDMALILD VARFKYPPHW VPLKLLWEAM DSIDQSTGKR RGFMLISRPH REPGLLYTLS CKDESWIEIA KYLKEDVPRL VSSQHVDSVE KIISVVFKSL PSNFNQFIRW VAEIRITEDS NQNLSAEEKS RLKLKQLVLK EVHETELFKH INKFLSTVGY EDSLTYAAAK ACCQGAEILS GSPSKEFCCR ETCVKCIKGP DDSEGTVVTG VVVRDGNEQK VDLLVPSTQT ECECGPEATY PAGNDVFTAL LLALPPQTWS GIKDQALMHE MKQLISMASL PTLLQEEVLH LRRQLQLLKR CQENKEEDDL AAPAY
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	CAD1
Alternative Name:	Glutathione gamma-glutamylcysteinyltransferase 1 (PCS1) (CAD1 Products)
Background:	Recommended name: Glutathione gamma-glutamylcysteinyltransferase 1. EC= 2.3.2.15. Alternative name(s): Cadmium tolerance protein Phytochelatin synthase 1. Short name= AtPCS1
UniProt:	Q9S7Z3

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

Handling

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