

Datasheet for ABIN1654067

## CAD1 Protein (AA 1-500) (His tag)



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### Overview

Quantity:	1 mg
Target:	CAD1
Protein Characteristics:	AA 1-500
Origin:	Wheat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CAD1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MEVASLYRRV LPSPPAVEFA SAEGKRLFAE ALQGGTMEGF FNLISYFQTQ SEPAFCGLAS</p> <p>LSVVLNALAI DPGRPWKGPW RWFDESMLDC CEPLHKVKAE GITFGKVVCL AHCAGARVQS</p> <p>FRADQTTIHD FRAHLTRCAS SQDCHLISSY HRSPFKQTGT GHFSPIGGYH AEKDMALILD</p> <p>VARFKYPPHW VPLTLLWDAM NTTDEATGLL RGFMLVSRRS SAPSLLYTVS CGHGSWKSMAS</p> <p>KYCVEDVPNL LKDESLDNVT TLLSRLVESL PANAGDLIKC VIEVRRKEEG ESSLSKEEKE</p> <p>RLFLKEKVLQ QIRDTDLFRV VHELQYPKGL CGSCSSSSDE DSLAEIAATV CCQGAFLSG</p> <p>NLVSRDGFCC RETCIKCIEA NGDGLKTVIS GTVVSKGNEQ AVDLLLPTSS SKTSLCNSNL</p> <p>KSKIVKYPSS TDVLTVLLL LQPNTWLGIK DENVKAEFQS LVSTDNLPLD LKQEILHLRR</p> <p>QLHYLAGCKG QEACQEPSP</p>
Specificity:	Triticum aestivum (Wheat)
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: 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 TaPCS1

UniProt: [Q9SWW5](#)

## 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

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