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Datasheet for ABIN1648496  
**ACD1 Protein (AA 50-537) (His tag)**

### Overview

Quantity:	1 mg
Target:	ACD1
Protein Characteristics:	AA 50-537
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACD1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	V AAPPSVPTSD STEEKRIEEE YGGDKKEEGS EFKWRDHWYP VSLVEDLDPN VPTPFQLLGR DLVLWFDNRND QKWAAFDDLC PHRLAPLSEG RLDENGHLQC SYHGWSFGGC GSCTRIQAA TSGPEARAVK SPRACAIKFP TMVSQGLLFV WPDENGWDRA NSIEPPRLPD DFDKPEFSTV TIQRDLFYGY DTLMENVSDP SHIDFAHMKV TGRRDRAKPL PFKVESSGPW GFQGANDDSP RITAKFVAPC YSMNKIELDA KLPVGNQKW VIWICSFNIP MAPGKTRSIV CSARNFFQFS VPGPAWWQVV PRWYEHWTSN LVYDGMIVL QGQEKVFLAK SMESPDYDVN KQYTKLTFTP TQADRFVLAF RNWLRRHGKS QPEWFGSTPS NQPLPSTVLT KRQMLDRFDQ HTQVCSSCKG AYNSFQILKK FLVGATVFWA ATAGVPSDVQ IRLVLAGLSL ISAASAYALH EQEKNFVFRD YVHSEIE
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
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

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Purity: > 90 %

## Target Details

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Target: ACD1

Alternative Name: Pheophorbide a oxygenase, chloroplastic (PAO) ([ACD1 Products](#))

Background: Recommended name: Pheophorbide a oxygenase, chloroplastic.  
Short name= AtPaO.  
Short name= Pheide a oxygenase.  
EC= 1.14.12.20.  
Alternative name(s): Accelerated cell death 1 Lethal leaf-spot 1 homolog.  
Short name= Lls1

UniProt: [Q9FYC2](#)

## Application Details

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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

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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

## Handling

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Storage: -20 °C

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