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Datasheet for ABIN1640512  
**AMD1 Protein (AA 1-68) (His tag)**

### Overview

Quantity:	1 mg
Target:	AMD1
Protein Characteristics:	AA 1-68
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AMD1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MALSAIGFEG YEKRLEVTFE EPSIFQDSKG LGLRALTKSQ LDEILTPAAC TIVSSLSNDQ LDSYVLSE
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.
Purity:	> 90 %

### Target Details

Target:	AMD1
Alternative Name:	S-adenosylmethionine decarboxylase proenzyme 1 (SAMDC1) ( <a href="#">AMD1 Products</a> )
Background:	Recommended name: S-adenosylmethionine decarboxylase proenzyme 1.

## Target Details

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Short name= AdoMetDC 1.  
Short name= SAMDC 1.  
EC= 4.1.1.50 Cleaved into the following 2 chains: 1.  
S-adenosylmethionine decarboxylase 1 alpha chain 2.  
S-adenosylmethionine decarboxylase 1 beta chain

UniProt: [Q96286](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

## 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

**Storage:** -20 °C

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