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## Datasheet for ABIN1511972 **ADE12 Protein (AA 2-433) (His tag)**

### Overview

Quantity:	1 mg
Target:	ADE12
Protein Characteristics:	AA 2-433
Origin:	Saccharomyces cerevisiae
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADE12 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	VNVVLGSQW GDEGKGKLVD LLVGKYDIVA RCAGGNNAGH TIVVDGVKYD FHMLPSGLVN PNCQNLLGNG VVIHVPSFFK ELETLEAKGL KNARSRLFVS SRAHLVDFDH QVTDKLRELE LSGRSKDGKN IGTTGKGIGP TYSTKASRSG LRVHHLVNDQ PGAWEEFVAR YKRLLLETRRQ RYGDFEYDFE AKLAEYKKLR EQLKPFVVDV VVFMHNAIEA KKKILVEGAN ALMLDIDFGT YPYVTSSNTG IGGVLTGLGI PPRTIDEIYG VVKAYTTRVG EGPFPTEQLN ENGEKLQTIG AEFGVTTGRK RRCGWLDLVV LKYSTLINGY TSLNITKLDV LDTFKEIPVG ISYSIQGKKL DLFPEDLNIL GKVEVEYKVL PGWDQDITKI TKYEDLPENA KKYLYKIEDF VGVPVEWVGT GPARESM LHK EIK
Specificity:	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Bakers yeast)
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: ADE12

Alternative Name: Adenylosuccinate synthetase (ADE12) ([ADE12 Products](#))

Background: Recommended name: Adenylosuccinate synthetase.  
Short name= AMPSase.  
Short name= AS-synthetase.  
Short name= AdSS.  
EC= 6.3.4.4.  
Alternative name(s): IMP--aspartate ligase

UniProt: [P80210](#)

## 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.