

Datasheet for ABIN7583415

## ALAS1 Protein (AA 57-642) (His tag)



[Go to Product page](#)

### Overview

Quantity:	100 µg
Target:	ALAS1
Protein Characteristics:	AA 57-642
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALAS1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>QVKE TPPANEKEKT AKA AVQQAPD ESQMAQTPDG TQLPPGHPSP STSQSSGSKC PFLAAQLSQT</p> <p>GSSVFRKASL ELQEDVQEMH AVRKEVAQSP VLPSLVNAKR DGEGPSPLLK NFQDIMRKQR</p> <p>PERVSHLLQD NLPKSVSTFQ YDHFFEKKID EKKN DHTYRV FKT VNRRAQI FPMADDYTDS</p> <p>LITKKQVSVW CSNDYLGMSR HPRVCGAVIE TVKQHGAGAG GTRNISGTSK FHVELEQELA</p> <p>DLHGKDAALL FSSCFVANDS TLFTLAKMMP GCEIYSDSGN HASMIQGIRN SRVPKYIFRH</p> <p>NDVNHLRELL QRSDPSVPKI VAFETVHSMD GAVCPLEELC DVAHEFGAIT FVDEVHAVGL</p> <p>YGASGGGIGD RDGVMPKMDI ISGTLGKAFG CVGGYIASTS LLIDTVRSYA AGFIFTTSLP</p> <p>PMLLAGALES VRILKSNEGR ALRRQHQRNV KLMRQMLMDA GLPVIHCP SH IIPVRVADAA</p> <p>KNTEICDELM TRHNIYVQAI NYPTVPRGEE LLRIAPT PHH TPQMMNFFLE KLLLTWKRVG</p> <p>LELKPHSSAE CNFCRRPLHF EVM SEREKAY FSGMSKMVSA QA</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien

## Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: ALAS1

Alternative Name: 5-aminolevulinate synthase, nonspecific, mitochondrial (Alas1) ([ALAS1 Products](#))

Background: Recommended name: 5-aminolevulinate synthase, nonspecific, mitochondrial.  
Short name= ALAS-H.  
EC= 2.3.1.37.  
Alternative name(s): 5-aminolevulinic acid synthase 1 Delta-ALA synthase 1 Delta-aminolevulinate synthase 1

UniProt: [P13195](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

## 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

---

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.