



[Go to Product page](#)

## Datasheet for ABIN1458825 **ALAS2 Protein (AA 19-513) (His tag)**

### Overview

Quantity:	1 mg
Target:	ALAS2
Protein Characteristics:	AA 19-513
Origin:	Chicken
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALAS2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	AF ATGARCPFMG FAHRAAPELQ EDVERPQIPA VEVLEELLRD GGAALNRTVR DCMDEDAFPY EEQFQAQLGA LRRHTYTRVV TAVGRRADAP PLGTRGTAPH TSVELWCSSD YLGLSRHPAV LRAARAALDA HGLGAGGTRN IGGTSPLHGA LERALALLHR QPRAALFSSC FAANDTALDT LARILPGCQV YSDAGNHASM IQGIRRRGVP KFIFRHNDPH HLEQLLGRSP PGVPKIVAFE SLHSMDSIA PLEELCDVAH AYGALTFVDE VHAVGLYGAR GAGIAERDGV QHKVDVVSQT LGKALGAVGG YIAGSEALVD AVRSLGPGFI FTTALPPQRG GGALAALQVV GSAEGAALRR AHQRHAKHLR VLLRDRGLPA LPSHIVPVRW DAEANTRLSR ALLEEHLGYV QAINHPTVPR GQELLRIAP TPHHSPPMLE NLADKLSECW GAVGLPREDP PGPSCSSCHR PLHLSLLSPL ERDQFGVRGA AAG
Specificity:	Gallus gallus (Chicken)
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: ALAS2

Alternative Name: 5-aminolevulinate synthase, erythroid-specific, mitochondrial (ALAS2) ([ALAS2 Products](#))

Background: Recommended name: 5-aminolevulinate synthase, erythroid-specific, mitochondrial.  
Short name= ALAS-E.  
EC= 2.3.1.37.

Alternative name(s): 5-aminolevulinic acid synthase 2 Delta-ALA synthase 2 Delta-aminolevulinate synthase 2

UniProt: [P18080](#)

Pathways: [Transition Metal Ion Homeostasis](#)

## 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

## Handling

---

Storage: -20 °C

---

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