

Datasheet for ABIN5505552

**ALAS1 Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	ALAS1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALAS1 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human Purified recombinant protein of Human aminolevulinate, delta-, synthase 1 (ALAS1), transcript variant 1, full length, with N-terminal HIS tag, expressed in E. coli, 50 µg (full length, N-term HIS tag, transcript variant 1) protein expressed in E.coli.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purification:	Purified
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	ALAS1
Alternative Name:	aminolevulinate, delta-, synthase 1 ( <a href="#">ALAS1 Products</a> )
Background:	This gene encodes the mitochondrial enzyme which is catalyzes the rate-limiting step in heme (iron-protoporphyrin) biosynthesis. The enzyme encoded by this gene is the housekeeping

## Target Details

enzyme a separate gene encodes a form of the enzyme that is specific for erythroid tissue. The level of the mature encoded protein is regulated by heme: high levels of heme down-regulate the mature enzyme in mitochondria while low heme levels up-regulate. A pseudogene of this gene is located on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms.

Molecular Weight: 70.4 kDa

NCBI Accession: [NP\\_000679](#)

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

## Application Details

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the N-terminal.

Restrictions: For Research Use only

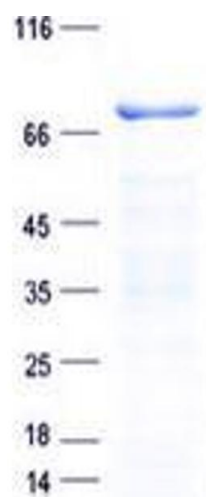
## Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

**Image 1.** Validation with Western Blot