

## Datasheet for ABIN7319672

### ALAS2 Protein

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#### Overview

Quantity:	50 µg
Target:	ALAS2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### Product Details

Purpose:	Recombinant Human Catalase/CAT Protein
Sequence:	Ala2-Leu527
Characteristics:	Recombinant Human Catalase is produced by our E.coli expression system and the target gene encoding Ala2-Leu527 is expressed.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	ALAS2
Alternative Name:	alase ( <a href="#">ALAS2 Products</a> )
Background:	Background: Catalase (CAT) is a member of the catalase family. It exists as a homotetramer that occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. Catalase is localized in the peroxisome. Catalase promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma

## Target Details

	cells, and normal and transformed fibroblast cells. Defects in CAT are the cause of acatalasemia which is characterized by absence of catalase activity in red cells and is associated with ulcerating oral lesions. Synonym: MGC138422,MGC138424
Molecular Weight:	59.7 kDa
UniProt:	<a href="#">P04040</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.