

[Go to Product page](#)

Datasheet for ABIN7319672

ALAS2 Protein

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 (ALAS2 Products)
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: [P04040](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Restrictions: For Research Use only

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.