abcam

Product datasheet

Recombinant sodA protein ab167999

1 Image

Overview

Product name	Recombinant sodA protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Sequence	MGSSHHHHHH SSGLVPRGSH MSYTLPSLPY AYDALEPHFD KQTMEIHHTK HHQTYVNNAN AALESLPEFA NLPVEELITK LDQLPADKKT VLRNNAGGHA NHSLFWKGLK KGTTLQGDLK AAIERDFGSV DNFKAEFEKA AASRFGSGWA WLVLKGDKLA VVSTANQDSP LMGEAISGAS GFPIMGLDVW EHAYYLKFQN RRPDYIKEFW NVVNWDEAAA RFAAKK
Molecular weight	25 kDa including tags
Amino acids	1 to 206
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab167999** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	Specific activity is > 350 units/mg, in which one unit will inhibit the rate of reduction of cytochrome c by 50% in a coupled system, using xanthine and xanthine oxidase at pH 7.8 at 25°C in a 1.5 ml reaction volume.
Applications	SDS-PAGE Functional Studies
Purity	>95% by SDS-PAGE .
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.02% DTT, 0.32% Tris HCl, 0.58% Sodium chloride

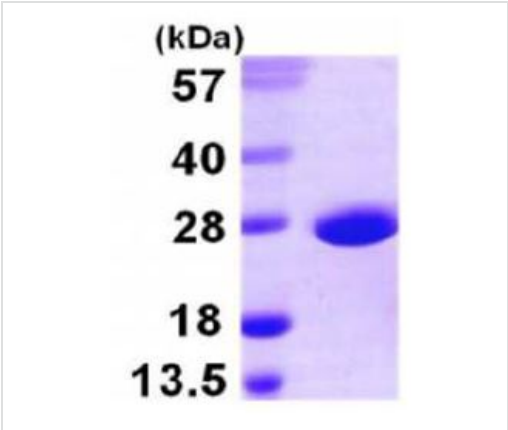
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Relevance

Superoxide dismutase, Mn, also known as sodA, is a member of the iron/manganese superoxide dismutase family. SodA destroys radicals which are normally produced within the cells and which are toxic to biological systems. It works by catalyzing the dismutation of the superoxide radical O_2^- to O_2 and H_2O_2, which are then metabolized to H_2O and O_2 by catalase and glutathione peroxidase.

Images



SDS-PAGE - Recombinant sodA protein (ab167999)

15% SDS-PAGE analysis of ab167999 (3 µg).

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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