

Product datasheet

Recombinant human Peroxiredoxin 2 protein ab85331

1 图像

概述

产品名称	重组人Peroxiredoxin 2蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
序列	MASGNARIGK PAPDFKATAV VDGAFKEVKL SDYKGGKYVVL FFYPLDFTFV CPTEIIAFSN RAEDFRKLGK EVLGVSVDSQ FTHLAWINTP RKEGGLGPLN IPLLADVTRR LSEDYGVLKT DEGIAYRGLF IIDGKGVL RQ ITVNDLPVGR SVDEALRLVQ AFQYTDEHGE VCPAGWKPGS DTIKPNVDDS KEYFSKHN

技术指标

Our [Abpromise guarantee](#) covers the use of **ab85331** in the following tested applications.

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

生物活性	Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX2 and peroxide for 20 min at room temperature. Specific activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25 C for 1 minute.
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应用	Functional Studies SDS-PAGE
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纯度	> 90 % SDS-PAGE. ab85331 is purified using conventional chromatography.
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形式	Liquid
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制备和贮存

## 稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

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

## 常规信息

### 功能

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H<sub>2</sub>O<sub>2</sub>.

### 序列相似性

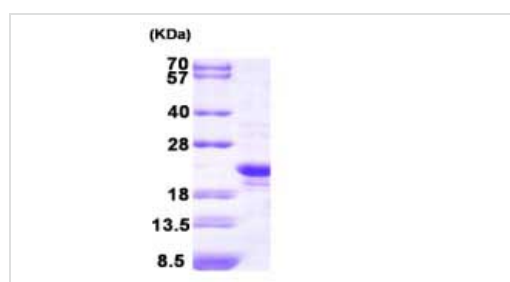
Belongs to the ahpC/TSA family.

Contains 1 thioredoxin domain.

### 细胞定位

Cytoplasm.

## 图片



15% SDS-PAGE analysis of 3µg ab85331

SDS-PAGE - Peroxiredoxin 2 protein (Human)  
(ab85331)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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