

Recombinant human Peroxiredoxin 3/PRDX3 protein ab85559

[1 Image](#)

Description

Product name	Recombinant human Peroxiredoxin 3/PRDX3 protein
Biological activity	Specific activity: approximately 82-83 pmole/min/μg. Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX3 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 Specific activity: approximately 82-83 pmole/min/μg. Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX3 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
Purity	> 95 % SDS-PAGE. ab85559 was purified by using conventional chromatography techniques
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MPAVTQHAPYFKGTAVVNGE FKDSLDDDFK GKYLVLFFYP LDFTFVCPT E IAFSDKANE FHDVNCEVVA VSVDSHFSL AWINTPRKNG GLGHMNIALL SDLTQISRD YGVLLLEGSL ALRGLFIIDP NGVIKHL SVN DLPVGRSVEE TLRLVKAFQY VETHGEVCPA NWTPDSPTIK PSPAASKEYF QKVNQ
Amino acids	63 to 256

Specifications

Our **Abpromise guarantee** covers the use of **ab85559** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Form	Liquid

Additional notes

This product was previously labelled as Peroxiredoxin 3

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: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)

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

General Info

Function

Involved in redox regulation of the cell. Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

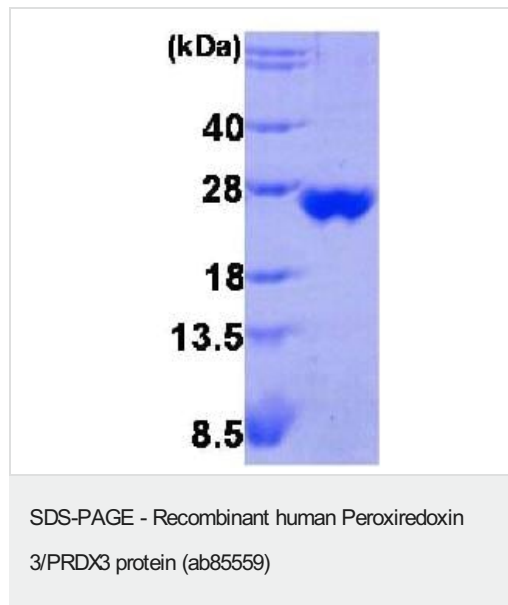
Sequence similarities

Belongs to the ahpC/TSA family.
Contains 1 thioredoxin domain.

Cellular localization

Mitochondrion.

Images



ab85559 on 15% SDS-PAGE (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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