

Product datasheet

Recombinant human Peroxiredoxin 4 protein ab93947

2 References 1 Image

Description

Product name	Recombinant human Peroxiredoxin 4 protein
Biological activity	Specific activity: approximately 230-310 pmole/min/μg. Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX4 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 230-310 pmole/min/μg. Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX4 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	> 90 % SDS-PAGE. ab93947 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	Q13162
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MWETEERPRT REEECHFYAG GQVYPGEASR VSVADHSLHL SKAKISKPAP YWEGTAVIDG EFKELKLDYRGKYLVFFFY PLDFTFVCPT EIIAFGDRLE EFRSINTEVV ACSVDSQFTH LAWINTPRRQ GGLGPIRIPL LSDLTHQISK DYGVYLED SG HTLRGLFIID DKGILRQITL NDLPVGRSVD ETLRLVQAFQ YTDKHGEVCP AGWKPGSETI IPDPAGKCLKY FDKLN </pre>
Predicted molecular weight	29 kDa including tags
Amino acids	38 to 271
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab93947** in the following tested applications.

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

Applications Functional Studies

SDS-PAGE

Form Liquid

Preparation and Storage

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

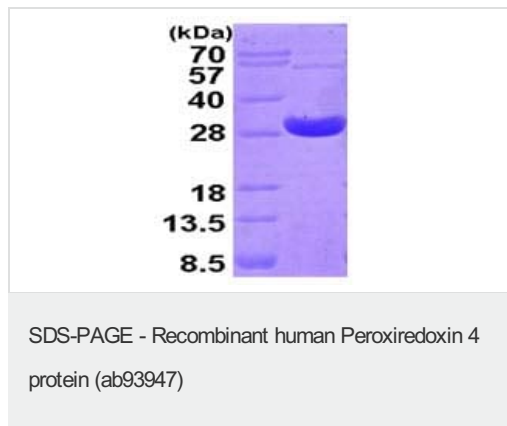
General Info

Function Probably involved in redox regulation of the cell. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

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

Cellular localization Cytoplasm. Secreted.

Images



15% SDS-PAGE analysis of ab93947 (3µg)

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