

Product datasheet

Recombinant human Peroxiredoxin 5 protein ab168029

1 Image

Description

Product name	Recombinant human Peroxiredoxin 5 protein	
Biological activity	Specific activity: approximately 117-136 pmole/min/μg. Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of Peroxiredoxin 5 and peroxide for 20 min at room temperature. Specific activity is defined as the amount of hydroperoxide that 1 μg of enzyme can reduce at 25°C for 1 minute.	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P30044	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MAPIKVGDAI PAVEVFEGEP GNKVNLAELF KGKKGVLFV PGAFTPGCSK THLPGFVEQA EALKAKGVQV VACL SVNDAF VTGEWGRAHK AEGKVRLLAD PTGAFGKETD LLLDDSLVSI FGNRRLKRFS MVVQDGIVKA LNVEPDGTGL TCSLAPNIIS QL	
Predicted molecular weight	17 kDa	
Amino acids	53 to 214	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab168029** 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

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: 7.40

Constituent: 0.48% HEPES

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

General Info

Function

Reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system. Involved in intracellular redox signaling.

Tissue specificity

Widely expressed.

Sequence similarities

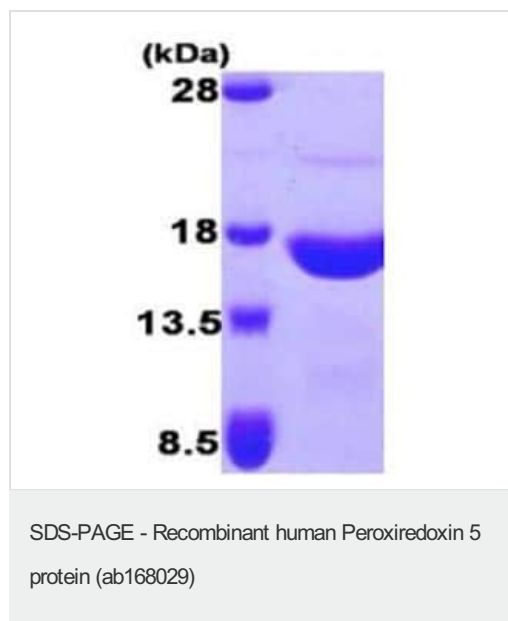
Belongs to the peroxiredoxin 2 family.

Contains 1 thioredoxin domain.

Cellular localization

Mitochondrion. Cytoplasm. Peroxisome.

Images



15% SDS-PAGE analysis of 3µg ab168029.

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

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