

Product datasheet

Recombinant Human Peroxiredoxin 2/PRP protein (His tag) ab236937

[3 Images](#)

Description

Product name	Recombinant Human Peroxiredoxin 2/PRP protein (His tag)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P32119</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ASGNARIGKPAPDFKATAVVDGAFKEVKLSDYKGKYWVL FFYPLDFTFVC PTEIIAFSNRAEDFRKLGCEVLGVSVD SQFTHLAWINTPRK EGGLGPLNI PLLADVTRRLSEYGV LKTDEG IAYRGLFIIDGKGVLRQITV NDLPVGRS VDEALRLVQAFQYTDEHGEVCPAGWKPGSDTIKPNVDDS KEYFSKHN
Predicted molecular weight	22 kDa
Amino acids	2 to 198
Tags	His tag N-Terminus
Additional sequence information	N-terminal 6xHis-tagged.

Specifications

Our **Abpromise guarantee** covers the use of **ab236937** in the following tested applications.

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

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	LC-MS/MS

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
pH: 7.2
Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

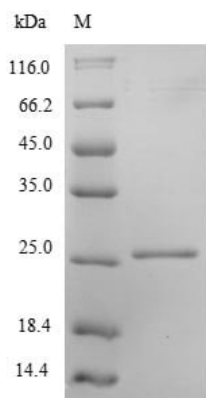
General Info

Function 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 H₂O₂.

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

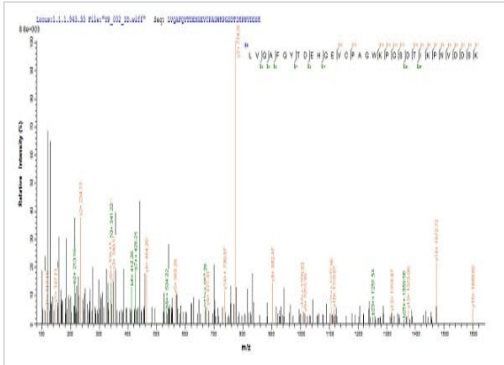
Cellular localization Cytoplasm.

Images



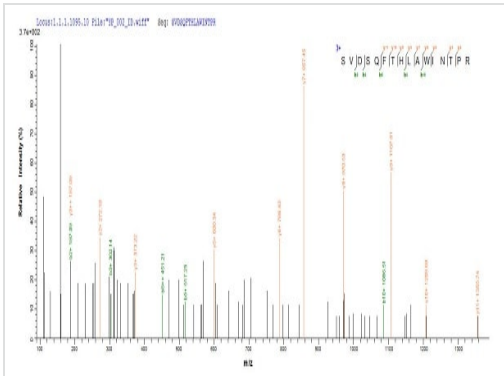
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel analysis of ab236937.

SDS-PAGE - Recombinant Human Peroxiredoxin
2/PRP protein (His tag) (ab236937)



Mass Spectrometry - Recombinant Human
Peroxiredoxin 2/PRP protein (His tag) (ab236937)

Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of ab236937 could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) Peroxiredoxin 2/PRP.



Mass Spectrometry - Recombinant Human
Peroxiredoxin 2/PRP protein (His tag) (ab236937)

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

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