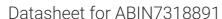
# antibodies -online.com





## Peroxiredoxin 4 Protein (PRDX4) (His tag)



#### Overview

Quantity:	50 μg
Target:	Peroxiredoxin 4 (PRDX4)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Peroxiredoxin 4 protein is labelled with His tag.

#### **Product Details**

Purpose:	Recombinant Human Peroxiredoxin-4/PRDX4 Protein (His Tag)
Sequence:	Trp38-Asn271
Characteristics:	Recombinant Human Peroxiredoxin-4 is produced by our E.coli expression system and the target gene encoding Trp38-Asn271 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### **Target Details**

Target:	Peroxiredoxin 4 (PRDX4)
Alternative Name:	Peroxiredoxin-4/PRDX4 (PRDX4 Products)
Background:	Background: Peroxiredoxin-4 (PRDX4) is a member of the AhpC/TSA family. PRDX4 is a cytoplasmic protein and contains one thioredoxin domain. PRDX4 exists in homodimer or
	heterodimer with PRDX1. PRDX4 reduces hydrogen peroxide and alkyl hydroperoxides to water

#### Target Details

and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules.
In addition, PRDX4 is probably involved in redox regulation of the cell, regulating the activation
of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.
Synonym: Peroxiredoxin-4, Antioxidant Enzyme A0E372, A0E37-2, Peroxiredoxin IV, Prx-IV,
Thioredoxin Peroxidase A0372, Thioredoxin-Dependent Peroxide Reductase A0372, PRDX4
33.8 kDa
Q13162

### **Application Details**

Molecular Weight:

UniProt:

Restrictions: For Research Use only

## Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM DTT, pH 7.2.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.