

# Human Peroxiredoxin 1/PRDX1 (His Tag) recombinant protein



Catalog Number: 501667

## General Information

### Gene Name Synonym

Natural killer cell-enhancing factor A;  
Proliferation-associated gene protein; Thioredoxin  
peroxidase 2; Thioredoxin-dependent peroxide  
reductase 2

### Protein Construction

A DNA sequence encoding the human PRDX1  
(NP\_002565.1) (Met 1-Lys 199) was expressed,  
with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from  
date of receipt at -70°C

### Predicted N terminal

Met 1

### Molecular Mass

The recombinant human PRDX1 comprises 205  
amino acids and has a predicted molecular mass  
of 22.9 kDa as estimated in SDS-PAGE under  
reducing conditions.

### Formulation

Lyophilized from sterile PBS, 10% glycerol,  
0.1mM DTT, pH 7.5

1. 5 % trehalose and mannitol are added as  
protectants before lyophilization.
2. Please contact us for any concerns or special  
requirements.

## Usage Guide

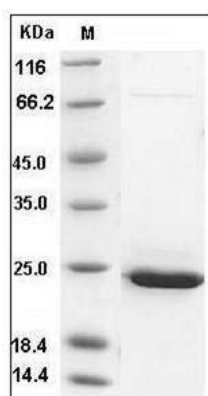
### Storage

Store it under sterile conditions at -20°C to -80°C.  
It is recommended that the protein be aliquoted  
for optimal storage. Avoid repeated freeze-thaw  
cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of  
0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Peroxiredoxin 1 / PRDX1 Protein (His Tag)  
SDS-PAGE