

# Mouse Peroxiredoxin 5/PRDX5 (His Tag) recombinant protein



Catalog Number: 502264

## General Information

### Gene Name Synonym

Antioxidant enzyme B166; Liver tissue 2D-page spot 2D-0014IV; PLP; Peroxiredoxin V; Peroxisomal antioxidant enzyme; Thioredoxin peroxidase PMP20; Thioredoxin reductase

### Protein Construction

A DNA sequence encoding the mouse PRDX5 (mitochondrial) (P99029-1) (Met 49-Leu 210) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to reduce H<sub>2</sub>O<sub>2</sub>.  
The specific activity is > 100 pmoles/min/μg.

### Purity

> 92 % 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

### Molecular Mass

The recombinant mouse PRDX5 consisting of 173 amino acids and migrates as an approximately 18.5 kDa band in SDS-PAGE under reducing conditions as predicted.

### Formulation

Lyophilized from sterile PBS, 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

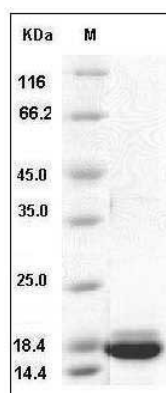
### Storage

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



Mouse Peroxiredoxin 5 / PRDX5 Protein (His Tag)  
SDS-PAGE