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

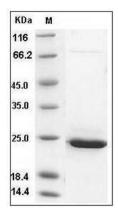
Storage

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