

Human Peroxiredoxin 2/PRDX2 (His Tag) recombinant protein



Catalog Number: 500441

General Information

Gene Name Synonym

Natural killer cell-enhancing factor B; PRP; Thiol-specific antioxidant protein; Thioredoxin peroxidase 1; Thioredoxin-dependent peroxide reductase 1

Protein Construction

A DNA sequence encoding the human PRDX2 (P32119) (Met 1-Asn 198) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to reduce H₂O₂.
The specific activity is >300 pmoles/min/μg.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Met

Molecular Mass

The recombinant human PRDX2 consists of 217 amino acids and predicts a molecular mass of 24 kDa. It migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% gly

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

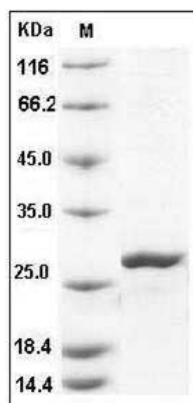
Storage

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



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