

Active Recombinant Human PRDX2 protein, His-tagged

Cat. No. PRDX2-1241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRDX2 protein(P32119)(Met1-Asn198), fused with His tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Asn198
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glyPlease contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to reduce H2O2.The specific activity is >300 pmoles/min/μg.
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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name PRDX2 peroxiredoxin 2 [Homo sapiens]

Official Symbol PRDX2

Synonyms

PRDX2; peroxiredoxin 2; TDPX1; peroxiredoxin-2; MGC4104; natural killer enhancing factor B; NKEFB; PRP; PRX2; PRXII; thiol specific antioxidant 1; thioredoxin peroxidase 1; thioredoxin dependent peroxide reductase 1; torin; TSA; NKEF-B; thiol-specific antioxidant 1; thiol-specific antioxidant protein; natural killer cell-enhancing factor B; thioredoxin-dependent peroxide reductase 1; TPX1;

Gene ID 7001

mRNA Refseq NM_005809

Protein Refseq NP_005800

MIM 600538

UniProt ID P32119

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