

Recombinant Human Peroxiredoxin-3/PRDX3 Protein

Cat.NO.: TP05079

3th Edition

Synonyms:Thioredoxin-Dependent Peroxide Reductase Mitochondrial; Antioxidant Protein 1; AOP-1; HBC189; Peroxiredoxin III; Prx-III; Peroxiredoxin-3; Protein MER5 homolog; PRDX3; AOP1

Description:Thioredoxin-Dependent Peroxide Reductase Mitochondrial (PRDX3) is an enzyme that belongs to the AhpC/TSA family. Human and mouse PRDX3 genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Human PRDX3 protein has an antioxidant function and is localized in the mitochondrion. PRDX3 is involved in redox regulation of the cell. PRDX3 protects radical-sensitive enzymes from oxidative damage by a radical-generating system. It acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

Form:PBS

Molecular Weight:21.6 kDa

Sequences:Pro63-Gln256

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.