

# Mouse PRDX2 Recombinant Protein



RPPB2177

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## Product Information    Protein Information

**Product SKU:**

RPPB2177

**Accession:**

Q61171

**Host:**

Escherichia Coli.

**Protein description:**

PRDX2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 222 amino acids (1-198 a.a) and having a molecular mass of 24.3kDa. PRDX2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

PRDX2, Peroxiredoxin-2 (EC:1.11.1.15), TSA, Thioredoxin peroxidase 1, Thioredoxin-dependent peroxide reductase 1, Thiol-specific antioxidant protein, Prdx2, Tdpx1, Tpx.

**Formulation:**

PRDX2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% Glycerol 1mM DTT.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MGSHTMASGNA QIGKSAPDFT ATAVVDGAFK EIKLSDYRGK YVVLFFYPLD  
FTFVCPTEII AFSDHAEDFR KLGCEVLGVS VDSQFTHLAW INTPRKEGGL GPLNIPLLAD VTKSLSQNYG  
VLKNDEGIAY RGLFIIDAKG VLRQITVNDL PVGRSVDEAL RLVQAFQYTD EHGEVCPAGW KPGSDTIKPN  
VDDSKEYFSK HN

**Biological Activity:**

Specific activity is > 700 pmol/min/ug, Activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25C for minute.