

Human PRDX6 Recombinant Protein



RPPB2182

Product Information Protein Information

Product SKU:

RPPB2182

Accession:

P30041

Host:

Escherichia Coli.

Protein description:

Peroxiredoxin- 6 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 244 amino acids (1-224 a.a.) and having a molecular mass of 27.1kDa.The Peroxiredoxin-6 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Peroxiredoxin-6, Antioxidant protein 2, 1-Cys peroxiredoxin, Acidic calcium-independent phospholipase A2, Non-selenium glutathione peroxidase, 24 kDa protein, Liver 2D page spot 40, Red blood cells page spot 12, 1-Cys PRX, aiPLA2, NSGPx, PRDX6, AOP2, KIAA0106, PRX, p29, 1-Cys, MGC46173.

Formulation:

The Peroxiredoxin-6 solution contains 20mM Tris-HCl buffer (pH8.0) and 20% Glycerol.

Purity:

Greater than 95.0% 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 MPGGLLLGDV APNFEANTTV GRIRFHDFLG DSWGILFSHP RDFTPVCTTE
LGRAAKLAPE FAKRNVKLI A LSIDSVEDHL AWSKDINAYN CEEPTKLPF PIIDDRNREL AILLGMLDPA
EKDEKGMPTV ARVVFVFGPD KKLKLSILYP ATTGRNFDEI LRVVISLQLT AEKRVATPVD WKDGDSVMVL
PTIPEEEAKK LFPKGVFTKE LPSGKKYLRY TPQP.

Biological Activity:

The specific activity was found to be approximately 95-120 pmole/min/μg. The enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX6 and peroxide for 20 min at room temperature. Specific activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25°C for 1 minute.