

**Recombinant Human Peroxiredoxin-6/PRDX6 Protein(N-6His)**

**Cat.NO.: TP05844**

3th Edition

**Synonyms:** Peroxiredoxin-6; 1-Cys Peroxiredoxin; 1-Cys PRX; 24 kDa Protein; Acidic Calcium-Independent Phospholipase A2; aiPLA2; Antioxidant Protein 2; Liver 2D PAGE Spot 40; Non-Selenium Glutathione Peroxidase; NSGPx; Red Blood Cells Page Spot 12; PRDX6; AOP2; KIAA0106

**Description:** Peroxiredoxin 6 belongs to the thiol-specific antioxidant protein family, which is a bifunctional enzyme with two distinct active sites. Peroxiredoxin 6 is involved in redox regulation of the cell and can reduce Hydrogen peroxide and short chain organic, fatty acid, and phospholipid hydroperoxides. Peroxiredoxin 6 may regulate phospholipid turnover and protect against oxidative injury. Peroxiredoxin 6 eases the oxidative stress and TGF-beta-induced abnormalities of human trabecular meshwork cells, it is necessary for blood vessel integrity in injured skin.

**Form:** PBS

**Molecular Weight:** 27.2 kDa

**Sequences:** Met 1-Pro224

**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.