

## 32-8032: Recombinant Human Peroxiredoxin-6/PRDX6 (N-6His)

**Gene :** PRDX6  
**Gene ID :** 9588  
**Uniprot ID :** P30041

### Description

Source: E.coli.  
MW :27.2kD.

Recombinant Human Peroxiredoxin-6 is produced by our E.coli expression system and the target gene encoding Met1-Pro224 is expressed with a 6His tag at the N-terminus. 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 regulates phospholipid turnover and protectes 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMPGGLLLGDVAPNFEANTTVGRIRFHDFLGD SWGILFSHPRDFTPVCTTELG  
RAAKLAPEFAKRNVKLIALSIDSVEDHLAWSKDINAYNCEEPTEKLPFPIIDDRNRELA ILLGMLDPAEKDEKGM P  
VTARVVFVFGPKKLLSILYPATTGRNFDEILRVVISLQLTAEKRVATPVDWKDGD SVMVLPTIPEEEAKKLF PK  
GVFTKELPSGKKYLRYTPQP

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.