

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
RAAKLAPEFAKRNVKLIALSIDSVEDHLAWSKDINAYNCEEPTKLPFPIIDDRNRELA ILLGMLDPAEKDEKGM
VTARVVFVFGPKKLSILYPATTGRNFDEILRVVISLQLTAEKRVATPVDWKDGSVMVLPTIPEEEAKKLF
GVFTKELPSGKKYLRYTPQP

Application Note

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