

32-8224: Recombinant Human Peroxiredoxin-3/PRDX3

Gene : PRDX3
Gene ID : 10935
Uniprot ID : P30048

Description

Source: E. coli.
MW :21.6kD.

Recombinant Human Peroxiredoxin-3 is produced by our E.coli expression system and the target gene encoding Pro63-Gln256 is expressed. Thioredoxin-Dependent Peroxide Reductase Mitochondrial (PRDX3) is an enzyme that belongs to the AhpC/TSA family. Human and mouse PRDX3 genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Human PRDX3 protein has an antioxidant function and is localized in the mitochondrion. PRDX3 is involved in redox regulation of the cell. PRDX3 protects radical-sensitive enzymes from oxidative damage by a radical-generating system. It acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,pH8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MPAVTQHAPYFKGTAVVNGEFKDLSDDFKGYLVFFYPLDFTFVCPTEIVAFSDKANEFHDVNCEVAVSVD
SHFSLAWINTPRKNGGLGHMNIALLSDLTKQISRDYGVLLLEGSGLALRGLFIIDPNGVIKHLVNDLPVGRSVE
ETLRLVKAQYVETHGEVCPANWTPDSPTIKPSPAASKEYFQKVNQ

Application Note

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