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Prdx2, 1-198 aa, Rat, His tag, E.coli

产品货号: TP03514

第三版

别名:Tdpx1

**描述:**Prdx2 also known as peroxiredoxin-2 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. Prdx2 may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. If Prdx2 protection is inadequate against peroxidases, the resulting protein and DNA damage may result in neurological disease such as Alzheimer's or DNA damage leading to cancer. Recombinant rat Prdx2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In Phosphate Buffered Saline(pH 7.4) containing 10% glycerol 1mM DTT

**分子量:**24.3 kDa (222aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSHMASGNAHIGKPAPDFTGTAVVDGAFKEIKLSDYRGKYVVLFFYPLDFTFVCPTTEII  
AFSDHAEDFRKLGCEVLGVSVDQSQTFLAWINTPRKEGGLGPLNIPLADVTKLSQNYGVLKNDEGIAYRGLFIIDAKGV  
LRQITVNDLPVGRSVDEALRLVQAFQYTDEHGEVCPAGWKPGSDTIKPNVDDSKEYFSKHN

**纯度:**> 95% by HPLC

**浓度:**1mg/ml (determined by Absorbance at 280nm)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.