

Peroxiredoxin 2, 1-198 aa, Human, Recombinant, E.coli

Cat.NO.: TP03352

3th Edition

Synonyms:NKEFB, PRP, PRX2, PRXII, TDPX1, TSA, PRDX2.

Description:Peroxiredoxin 2, also known as PRDX2, is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. Peroxiredoxin 2 may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. If Peroxiredoxin 2 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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight:21.8 kDa (198aa), confirmed by MALDI-TOF

Sequences:

MASGNARIGKPAPDFKATAVVDGAFKEVKLSDYKGYVVLFFYPLDFTFVCPTTEIIAFSNRAEDFRKLGCEVLGVSVD
DSQFTHLAWINTPRKEGGLGPLNIPLADVTRRLSEYGVLTDEGIAYRGLFIIDGKGVLRQITVNDLPVGRSVDEA
LRLVQAFQYTDEHGEVCPAGWKPGSDTIKPNVDDSKKEYFSKHN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.