

Human recombinant protein PRDX 3
Human Recombinant PRDX 3
Catalog # PBV10558r**Specification**

Human recombinant protein PRDX 3 - Product info

Primary Accession	P30048
Concentration	1
Calculated MW	21.5 kDa KDa

Human recombinant protein PRDX 3 - Additional Info

Gene ID	10935
Gene Symbol	PRDX3

Other Names

Thioredoxin-dependent peroxide Reductase, mitochondrial, PRDX3, PRX III, Antioxidant protein 1 (AOP-1).

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MPAVTQHAPY FKGTAVVNGE FKDLSLDDFK GKYLVLFFYP LDFTFVCPT E IVAFSDKANE FHDVNCEVVA VSVDSHFSL AWINTPRKNG GLGHMNIALL SDLTKQISRD YGVLLGSGSL ALRGLFIIDP NGVIKHLNVN DLPVGRSVEE TLRLVKAFQY VETHGEVCPA NWTPDSPTIK PSPAASKEYF QKVNQ.

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Human recombinant protein PRDX 3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PRDX 3 - Images**Human recombinant protein PRDX 3 - Background**

Peroxiredoxin-3 (Prdx3) is a mitochondrial member of the antioxidant family of thioredoxin peroxidases that uses mitochondrial thioredoxin-2 (Trx2) as a source of reducing equivalents to scavenge hydrogen peroxide (H₂O₂). It acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

Human recombinant protein PRDX 3 - References

Tsuji K.,et al.Biochem. J. 307:377-381(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 429:375-381(2004).