

## Product datasheet for **TP303330**

### Peroxiredoxin 4 (PRDX4) (NM\_006406) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human peroxiredoxin 4 (PRDX4), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC203330 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEALPLLAATTPDHGRHRRLLLLPLLLFLLPAGAVQGWETEERPRTRREEECHFYAGGQVYPGEASRVSV  
DHSLHLSKAKISKAPYWEGTAVIDGEFKELKLTDIRGKYLVEFFYPLDFTFVCPTEIIAFGDRLEEFRS  
INTEVVACSVDSQFTHLAWINTPRRQGGGLPIRIPLLSDLTHQISKDYGVYLED SGHTLRGLFIIDDKGI  
LRQITLNDLPVGRSVDETLRLVQAFQYTDKHGEVCPAGWKPGSETIIPDPAGKLYFDKLN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 30.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_006397](#)

**Locus ID:** 10549

**UniProt ID:** [Q13162](#), [V9HW63](#)



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RefSeq Size: 921

Cytogenetics: Xp22.11

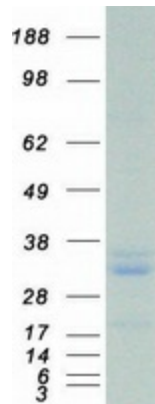
RefSeq ORF: 813

Synonyms: AOE37-2; AOE372; HEL-S-97n; PRX-4

**Summary:** The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PRDX4 protein (Cat# TP303330). The protein was produced from HEK293T cells transfected with PRDX4 cDNA clone (Cat# [RC203330]) using MegaTran 2.0 (Cat# [TT210002]).