

## Product datasheet for **TP321235**

### Peroxiredoxin 1 (PRDX1) (NM\_002574) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human peroxiredoxin 1 (PRDX1), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC221235 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSSGNAKIGH PAPNFKATAVMPDGQFKDISLSDYK GK YV VFFFYPLDFTFVCPTEIIAFSDRAEEFKKLN  
CQVIGASVDSHFCHLAWVNTPKKQGGGLGPMNIPLVSDPKRTIAQDYGV LKADEGISFRGLFIIDDKGILR  
QITVNDLPVGRSVD ETLRLVQAFQFTDKHG EVC PAGWKP GSDTIKPDVQKSKEYFSKQK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 21.9 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\\_002565](#)

**Locus ID:** 5052

**UniProt ID:** [Q06830](#), [A0A384NPQ2](#)

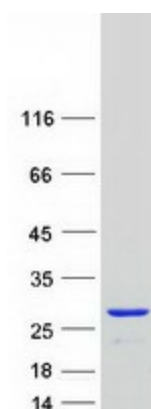
**RefSeq Size:** 1263



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Cytogenetics:	1p34.1
RefSeq ORF:	597
Synonyms:	MSP23; NKEF-A; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2
Summary:	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011]

### Product images:



Coomassie blue staining of purified PRDX1 protein (Cat# TP321235). The protein was produced from HEK293T cells transfected with PRDX1 cDNA clone (Cat# [RC221235]) using MegaTran 2.0 (Cat# [TT210002]).