

Product datasheet for **TP305072**

Peroxiredoxin 1 (PRDX1) (NM_181697) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human peroxiredoxin 1 (PRDX1), transcript variant 3, 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC205072 protein sequence
Red=Cloning site **Green**=Tags(s)

MSSGNAKIGH PAPNFKATAVMPDGQFKDISLSDYK GK YV VFFYPLDFTFVCPTEIIAFSDRAEEFKKLN
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_859048](#)

Locus ID: 5052

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

RefSeq Size: 1043



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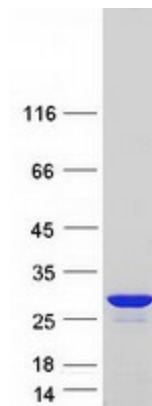
Cytogenetics: 1p34.1

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# TP305072). The protein was produced from HEK293T cells transfected with PRDX1 cDNA clone (Cat# [RC205072]) using MegaTran 2.0 (Cat# [TT210002]).