

Recombinant Human PRDX1 293 Cell Lysate

Cat. No. PRDX1-2882HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for peroxiredoxin 1 (PRDX1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [PRDX1 peroxiredoxin 1 \[Homo sapiens \]](#)

Official Symbol [PRDX1](#)

Synonyms [PRDX1](#); peroxiredoxin 1; [PAGA](#); peroxiredoxin-1; [NKEFA](#); [NKEF-A](#); thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2; [PAG](#); [PAGB](#); [PRX1](#); [PRXI](#); [MSP23](#); [TDPX2](#);

Gene ID [5052](#)

mRNA Refseq [NM_181696](#)

Protein Refseq [NP_859047](#)

MIM [176763](#)

UniProt ID [Q06830](#)

Chromosome Location 1p34.1

Pathway Coregulation of Androgen receptor activity, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; Selenium Pathway, organism-specific biosystem;

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Function

oxidoreductase activity; peroxidase activity; protein binding; thioredoxin peroxidase activity;

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