

Recombinant Human PRDX3 293 Cell Lysate

Cat. No. PRDX3-2881HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for peroxiredoxin 3 (PRDX3), nuclear gene encoding mitochondrial protein, transcript variant 1 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	PRDX3 peroxiredoxin 3 [Homo sapiens]
Official Symbol	PRDX3
Synonyms	PRDX3; peroxiredoxin 3; antioxidant protein 1 , AOP1; thioredoxin-dependent peroxide reductase, mitochondrial; AOP 1; MER5; SP 22; peroxiredoxin-3; peroxiredoxin III; protein MER5 homolog; antioxidant protein 1; AOP1; AOP-1; SP-22; HBC189; PRO1748; prx-III; MGC24293; MGC104387;
Gene ID	10935
mRNA Refseq	NM_006793
Protein Refseq	NP_006784
MIM	604769
UniProt ID	P30048
Chromosome Location	10q25-q26
Pathway	Selenium Pathway, organism-specific biosystem; Validated targets of C-MYC transcriptional activation, organism-specific biosystem;
Function	alkyl hydroperoxide reductase activity; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; identical protein binding; kinase binding;

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oxidoreductase activity; peroxidase activity; peroxiredoxin activity; protein C-terminus binding; protein binding; protein kinase binding;

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