

Human PRDX5 Knockdown Cell Lysate

Cat. No. PRDX5-277HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PRDX5 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein interacts with peroxisome receptor 1 and plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites is thought to result in transcript variants that use different in-frame translational start codons to generate isoforms that are targeted to the mitochondrion (isoform L) or peroxisome/cytoplasm (isoform S). Multiple related pseudogenes have been defined for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	22 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PRDX5 KD HeLa cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PRDX5 peroxiredoxin 5 [Homo sapiens (human)]
Official Symbol	PRDX5
Synonyms	PRDX5; peroxiredoxin 5; peroxiredoxin-5, mitochondrial; ACR1; Alu co repressor 1; antioxidant enzyme B166; AOEB166; B166; liver tissue 2D page spot 71B; MGC117264; MGC142283; MGC142285; peroxisomal antioxidant enzyme; PLP; PMP20; PRDX6; PRXV; SBB110; thioredoxin peroxidase PMP20; TPx type VI; prx-V; peroxiredoxin V; alu corepressor 1; Alu co-repressor 1; thioredoxin reductase; liver tissue 2D-page spot 71B;
Gene ID	25824
mRNA Refseq	NM_012094
Protein Refseq	NP_036226
MIM	606583

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UniProt ID

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