

Recombinant Human PRDX6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRDX6-6622H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRDX6 MS Standard C13 and N15-labeled recombinant protein (NP_004896) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.
Molecular Mass	25 kDa
AA Sequence	MPGGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGRAAKL APEFAKRNVKLIALSIDSVEDHLAWSKDINAYNCEEPTEKLPFPIIDDRNRELAILLGML DPAEKDEKGMPVTARVVFVFGPDKKLLKSILYPATTGRNFDEILRVVISLQLTAEKRV ATPVDWKDGD SVMVLPTIPEEEAKKLFPGKVFTKELPSGKKYLRYPQPTRTRPLEQ KLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRDX6 peroxiredoxin 6 [Homo sapiens (human)]

Official Symbol PRDX6

Synonyms PRDX6; peroxiredoxin 6; peroxiredoxin-6; 1 Cys; aiPLA2; AOP2; KIAA0106; MGC46173; NSGPx; p29; PRX; 1-Cys PRX; 24 kDa protein; 1-Cys peroxiredoxin; antioxidant protein 2; liver 2D page spot 40; red blood cells page spot 12; non-selenium glutathione peroxidase; acidic calcium-independent phospholipase A2; 1-Cys;

Gene ID 9588

mRNA Refseq NM_004905

Protein Refseq NP_004896

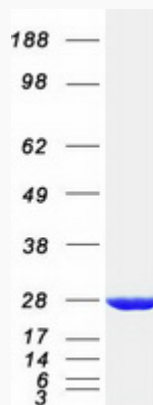
MIM 602316

UniProt ID P30041

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SDS-PAGE

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