



Human PRDX6 peptide (DAG-P1867)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the ahpC/TSA family. Rehydrin subfamily. Contains 1 thioredoxin domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PRDX6 peroxiredoxin 6 [Homo sapiens (human)]
Official Symbol	PRDX6
Synonyms	PRDX6; peroxiredoxin 6; PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; HEL-S-128m; peroxiredoxin-6; 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; epididymis secretory sperm binding protein Li 128m;
Entrez Gene ID	9588

mRNA Refseq	NM_004905.2
Protein Refseq	NP_004896.1
UniProt ID	P30041
Chromosome Location	1q25.1
Pathway	Cellular responses to stress, organism-specific biosystem; Detoxification of Reactive Oxygen Species, organism-specific biosystem; Phenylalanine metabolism, organism-specific biosystem; Phenylalanine metabolism, conserved biosystem;
Function	antioxidant activity; glutathione peroxidase activity; peroxiredoxin activity; phospholipase A2 activity; protein binding;