

Product datasheet for **TP307780L**

Peroxiredoxin 6 (PRDX6) (NM_004905) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human peroxiredoxin 6 (PRDX6), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC207780 protein sequence
Red=Cloning site **Green**=Tags(s)

MPGGLLLGDVAPNFEANTTVGRIRFHDFLGD SWGILFSHPDFTPVCTTELGRAAKLAPEFAKRNVKLIA
LSIDSVEDHLAWSKDINAYNCEPTEKLPFPIIDDRNRELAILLGMLDPAEKDEKGMPTARVVFVFGPD
KKLKL SILYPATTGRNFDEILRVISLQLTAEKRVATPVDWKDGDSVMVLPTIPEEEAKKLPKGVFTKE
LPSGKKYLRYTPQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 24.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_004896](#)

Locus ID: 9588

UniProt ID: [P30041](#), [V9HWC7](#)



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RefSeq Size: 1715

Cytogenetics: 1q25.1

RefSeq ORF: 672

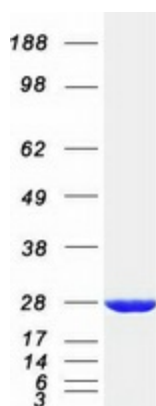
Synonyms: 1-Cys; aiPLA2; AOP2; HEL-S-128m; LPCAT-5; NSGPx; p29; PRX

Summary: 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 H₂O₂ 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]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Methane metabolism, Phenylalanine metabolism

Product images:



Coomassie blue staining of purified PRDX6 protein (Cat# [TP307780]). The protein was produced from HEK293T cells transfected with PRDX6 cDNA clone (Cat# [RC207780]) using MegaTran 2.0 (Cat# [TT210002]).