

Product datasheet for **TP307780M**

Peroxiredoxin 6 (PRDX6) (NM_004905) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human peroxiredoxin 6 (PRDX6), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207780 protein sequence Red =Cloning site Green =Tags(s) |
| | MPGGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPDFTVPCTTELGRAAKLAPEFAKRNVKLIA LSIDSVEDHLAWSKDINAYNCEEPTEKLPFPIIDDRNRELAILLGMLDPAEKDEKGMPTARVVFVFGPD KKLKLSILYPATTGRNFDEILRVISLQLTAEKRVATPVDWKDGDSVMVLPTIPEEEAKKLPKGVFTKE 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: | <u>NP_004896</u> |
| Locus ID: | 9588 |
| UniProt ID: | <u>P30041</u> , <u>V9HWC7</u> |



[View online »](#)

RefSeq Size: 1715

Cytogenetics: 1q25.1

RefSeq ORF: 672

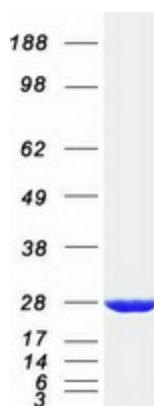
Synonyms: 1-Cys; aiPLA2; AOP2; HEL-S-128m; LPCAT-5; NSGPx; p29; PRX

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]).