

Product datasheet for PH307780

Peroxiredoxin 6 (PRDX6) (NM_004905) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRDX6 MS Standard C13 and N15-labeled recombinant protein (NP_004896)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207780
Predicted MW:	25 kDa
Protein Sequence:	>RC207780 protein sequence Red=Cloning site Green=Tags(s) MPGGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGRAAKLAPEFAKRNVKLIA LSIDSVEDHLAWSKDINAYNCEEPTKLPFPIIDDRNRELAILLGMLDPAEKDEKMPVTARVVFVFGPD KKLKLILYPATTGRNFDEILRVVISLQLTAEKRVATPVDWKDGSVMVLPTIPEEEAKKLFPKGVTKE LPSGKKYLRYTPQP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004896
RefSeq Size:	1715
RefSeq ORF:	672
Synonyms:	1-Cys; aiPLA2; AOP2; HEL-S-128m; LPCAT-5; NSGPx; p29; PRX
Locus ID:	9588
UniProt ID:	P30041 , V9HWC7



[View online »](#)

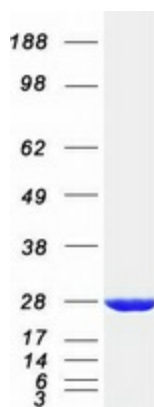
Cytogenetics: 1q25.1

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]).