

Product datasheet for PH303330

Peroxiredoxin 4 (PRDX4) (NM_006406) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRDX4 MS Standard C13 and N15-labeled recombinant protein (NP_006397)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203330
Predicted MW:	30.5 kDa
Protein Sequence:	>RC203330 protein sequence Red=Cloning site Green=Tags(s) MEALPLLAATTPDHGRHRRLLLLPLLLFLLPAGAVQGWETEERPRTRREEECHFYAGGQVYPGEASRVSVADHSLHLKAKISKPAPYWEGTAVIDGFEKELKLDYRGKYLVFFFYPLDFTFVCPTEIIAFGDRLEEFRSINTEVVACSVDSQFTHLAWINTPRRQGGLGPIRIPLLSDLTHQISKDYGVYLED SGHTLRGLFIIDDKGILRQITLNDLPVGRSVDLRLVQAFQYTDKHGEVCPAGWKPGSETIIPDPAGKLYFDKLN TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_006397
RefSeq Size:	921
RefSeq ORF:	813
Synonyms:	AOE37-2; AOE372; HEL-S-97n; PRX-4
Locus ID:	10549
UniProt ID:	Q13162 , V9HW63



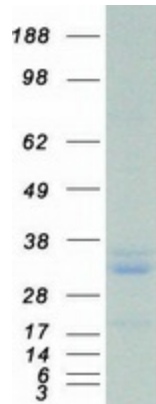
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Cytogenetics: Xp22.11

Summary: The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PRDX4 protein (Cat# [TP303330]). The protein was produced from HEK293T cells transfected with PRDX4 cDNA clone (Cat# [RC203330]) using MegaTran 2.0 (Cat# [TT210002]).