Product datasheet for TP750204

Peroxiredoxin 4 (PRDX4) (NM_006406) Human Recombinant Protein

Product data:

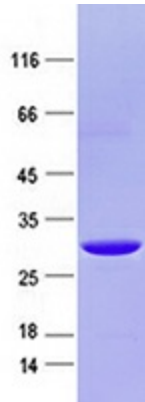|	
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human peroxiredoxin 4 (PRDX4), full length, with C-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length PRDX4
Tag:	C-His
Predicted MW:	27.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	20 mM Tris-HCl, pH 8.0, 10% glycerol
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 after receiving vials.
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_006397
Locus ID:	10549
UniProt ID:	Q13162, V9HW63
RefSeq Size:	921
Cytogenetics:	Xp22.11
RefSeq ORF:	813
Synonyms:	AOE37-2; AOE372; HEL-S-97n; PRX-4

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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:

Purified recombinant protein PRDX4 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.