

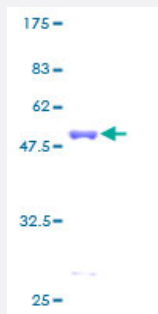
Full-Length

PRDX1 (Human) Recombinant Protein (P01)

Catalog # H00005052-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRDX1 full-length ORF (AAH07063, 1 a.a. - 199 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSGNAKIGH PAPNFKATAVMPDGGQFKDISLSDYKGKYVFFFHPLDFTFVCPTEIAFSDRAEEF KKLNCQVIGASVDSHFCHLAWVNTPKKQGGLGPMNIPVSDPKRTIAQDYGV LKADEGISFRGLFII DDKGILRQITVNDLPVGRSVDETLRLVQAFQFTDKHGEVCPAGWKPGSDTIKPDVQKSKEYFSKQ K
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PRDX1

Entrez GeneID [5052](#)

GeneBank Accession# [BC007063](#)

Protein Accession# [AAH07063](#)

Gene Name PRDX1

Gene Alias MSP23, NKEFA, PAG, PAGA, PAGB, PRX1, PRXI, TDPX2

Gene Description peroxiredoxin 1

Omim ID [176763](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000009234|natural killer-enhancing factor A|proliferation-associated gene A|thioredoxin-dependent peroxide reductase 2

Disease

- [Alzheimer disease](#)
- [Cognition](#)