

Recombinant Full Length Human PRDX1 Protein, C-Flag-tagged

Cat. No. PRDX1-1558HFL **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Full Length Human PRDX1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| Species | Human |
| Source | Mammalian Cells |
| Description | 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. Four transcript variants encoding the same protein have been identified for this gene. |
| Form | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 21.9 kDa |
| AA Sequence | MSSGNAKIGH PAPNFKATAVMPDGQFKDISLSDYK GK YV V F F F Y P L D F T F V C P T E I I A FSDRAEEFKKLN CQVIGASVDSHFCHLAWVNTPKKQGGLGPMNIPLVSDPKRTIAQ DYGVLKADEGISFRGLFIIDDKGILR QITVNDLPVGRSVD E T L R L V Q A F Q F T D K H G E V C P A G W K P G S D T I K P D V Q K S K E Y F S KQKTRTRPLEQKLISEEDLAANDILDYKDDDDKV |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|----------------------|---|
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade. |
| Concentration | >50 ug/mL as determined by microplate BCA method. |
| Preparation | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Full Length | Full L. |

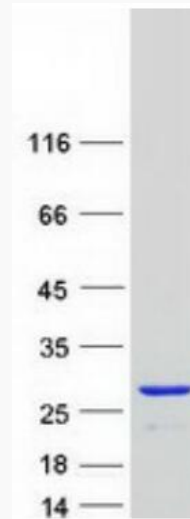
GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | PRDX1 peroxiredoxin 1 [Homo sapiens (human)] |
| Official Symbol | PRDX1 |
| Synonyms | PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A |
| Gene ID | 5052 |
| mRNA Refseq | NM_002574.4 |
| Protein Refseq | NP_002565.1 |
| MIM | 176763 |
| UniProt ID | Q06830 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified PRDX1 protein.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA