

Recombinant Human PRDX2 Protein (2-198 aa), His-tagged

Cat. No. PRDX2-2247H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human PRDX2 Protein (2-198 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length. |
| Species | Human |
| Source | Yeast |
| ProteinLength | 2-198 aa |
| Description | Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H ₂ O ₂ . |
| Form | Tris-based buffer, 50% glycerol |
| Molecular Mass | 23.8 kDa |
| AA Sequence | ASGNARIGKPAPDFKATAVVDGAFKEVKLSDYKGYVVLFFYPLDFTFVCPTEIIAFS NRAEDFRKLGCEVLGVSVD SQFTHLAWINTPRKEGGLGPLNIPLLDVTRRLSEYDG VLKTDEGIAYRGLFIIDGKGVLRQITVNDLPVGRSVDEALRLVQAFQYTDEHGEVCPA GWKPGSDTIKPNVDDSKEYFSKHN |

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| Purity | > 90% as determined by SDS-PAGE. |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| Concentration | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information. |

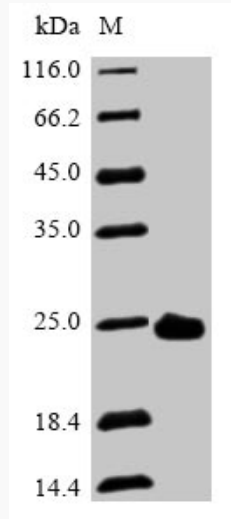
GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | PRDX2 peroxiredoxin 2 [Homo sapiens] |
| Official Symbol | PRDX2 |
| Synonyms | PRDX2; peroxiredoxin 2; TDPX1; peroxiredoxin-2; MGC4104; NKEFB; PRP; PRX2; PRXII; thiol torin; TSA; NKEF-B; TPX1; |
| Gene ID | 7001 |
| mRNA Refseq | NM_005809 |
| Protein Refseq | NP_005800 |
| MIM | 600538 |
| UniProt ID | P32119 |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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