

Recombinant Human PRDX1 Protein (1-199 aa), His-tagged

Cat. No. PRDX1-2430H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRDX1 Protein (1-199 aa) is produced by Yeast expression system. This protein is fused with a 10xHis tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-199 aa
Description	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not 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 . Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	24.6 kDa
AA Sequence	MSSGNAKIGH PAPNFKATAVM PDGQFKDISLSDYKGKYV VFFFYPLDFTFVCPTEIIA FSDRAEEFKKLNCQVIGASVDSHFCHLAWVNTPPKQGGGLGPMNIPLVSDPKRTIAQ DYGVLKADEGISFRGLFIIDDKGILRQITVNDLPVGRSVDETLRLVQAFQFTDKHGEV

 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

	CPAGWKPGSDTIKPDVQKSKEYFSKQK
Purity	> 85% 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	PRDX1 peroxiredoxin 1 [Homo sapiens]
Official Symbol	PRDX1
Synonyms	PRDX1; peroxiredoxin 1; PAGA; peroxiredoxin-1; NKEFA; NKEF-A; PAG; PAGB; PRX1; PRXI; MSP23; TDPX2;
Gene ID	5052
mRNA Refseq	NM_001202431
Protein Refseq	NP_001189360
MIM	176763

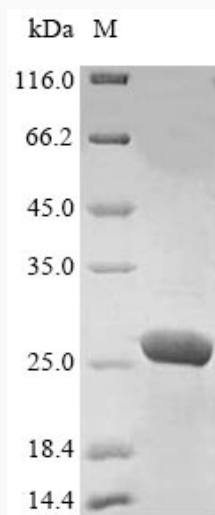
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UniProt ID

Q06830



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

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