

Recombinant Cricetulus Griseus PRDX1 Protein (2-199 aa), His-tagged

Cat. No. PRDX1-2033C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cricetulus Griseus (Chinese hamster) (Cricetulus barabensis griseus) PRDX1 Protein (2-199 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length of Mature Protein.
Species	Cricetulus Griseus
Source	E.coli
ProteinLength	2-199 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 (By similarity). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).
Form	Tris-based buffer,50% glycerol
Molecular Mass	26.1 kDa
AA Sequence	SSGNAKIGYPAPNFKATAVMPDGQFRDICLSEYRGKYVVFYPLDFTFVCPTEIIAF

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	SDRAEEFKKLNCQVIGASVDSHFCHLAWINTPKKQGGLGPMNIPLVSDPKRTIAQDY GVLKADEGISFRGLFIIDDKGILRQITINDLPVGRSVDEILRLVQAFQFTDKHGEVCPA GWKPGSDTIKPDVQKSKEYFSKQK
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 with reconstitution instruction is sent along with the products.

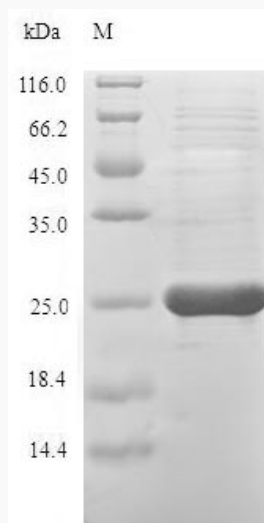
GENE INFORMATION

Gene Name	Prdx1 peroxiredoxin 1 [<i>Cricetulus griseus</i> (Chinese hamster)]
Official Symbol	PRDX1
Synonyms	TDPX2; TPX-2;
Gene ID	100689332
mRNA Refseq	NM_001246765
Protein Refseq	NP_001233694
UniProt ID	Q9JKY1

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

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