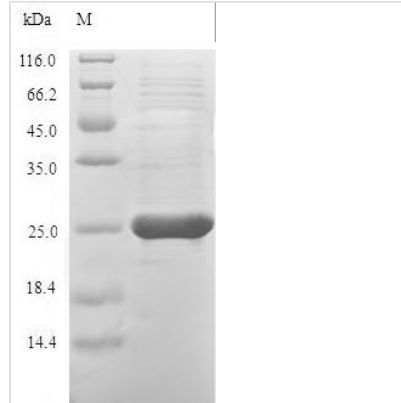


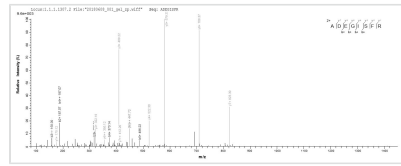


# Recombinant Cricetulus griseus Peroxiredoxin-1 (PRDX1)

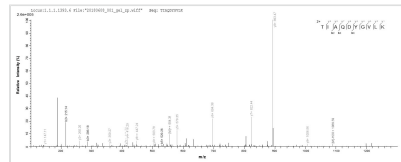
<b>Product Code</b>	CSB-EP872876DXU
<b>Relevance</b>	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H <sub>2</sub> O <sub>2</sub> (By similarity). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).
<b>Abbreviation</b>	Recombinant Cricetulus griseus PRDX1 protein
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9JKY1
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	SSGNAKIGYPAPNFKATAVMPDGQFRDICLSEYRGKYVVFYPLDFTFVCPT EIIAFSDRAEEFKLNCQVIGASVDSHFCHLAWINTPKKQGGLGPMNIPLVSDP KRTIAQDYGVKKADEGISFRGLFIIDDKGILRQITINDLPVGRSVDEILRLVQAFQF TDKHGEVCPAGWKPGSDTIKPDVQKSKEYFSKQK
<b>Research Area</b>	Cell Biology
<b>Source</b>	E.coli
<b>Target Names</b>	PRDX1
<b>Protein Names</b>	Recommended name: Peroxiredoxin-1 EC= 1.11.1.15Alternative name(s): Thioredoxin peroxidase 2 Short name= TPX-2
<b>Expression Region</b>	2-199aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	26.1kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP872876DXU could indicate that this peptide derived from E.coli-expressed *Cricetulus griseus* (Chinese hamster) (*Cricetulus barabensis griseus*) PRDX1.



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### Shelf Life

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