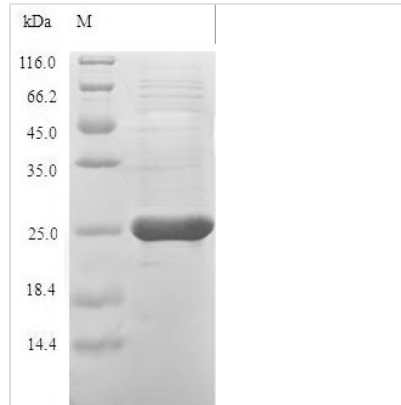




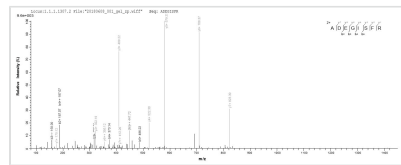
Recombinant *Cricetulus griseus* Peroxiredoxin-1 (PRDX1)

Product Code	CSB-EP872876DXU
Relevance	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).
Abbreviation	Recombinant <i>Cricetulus griseus</i> PRDX1 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9JKY1
Product Type	Recombinant Proteins
Immunogen Species	<i>Cricetulus griseus</i> (Chinese hamster) (<i>Cricetulus barabensis griseus</i>)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SSGNAKIGYPAPNFKATAVMPDGQFRDICLSEYRGKYVVFYPLDFTFVCPT EIIAFSDRAEEFKKLNQVIGASVDSHFCHLAWINTPKKQGGLGPMNIPLVSDP KRTIAQDYGVKKADEGISFRGLFIIDDKGILRQITINDLPVGRSVDEILRLVQAFQF TDKHGEVCPAGWKPGSDTIKPDVQKSKEYFSKQK
Research Area	Cell Biology
Source	E.coli
Target Names	PRDX1
Protein Names	Recommended name: Peroxiredoxin-1 EC= 1.11.1.15 Alternative name(s): Thioredoxin peroxidase 2 Short name= TPX-2
Expression Region	2-199aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	26.1kDa
Protein Length	Full Length of Mature Protein

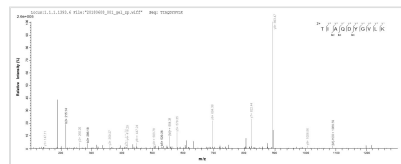
Image



(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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