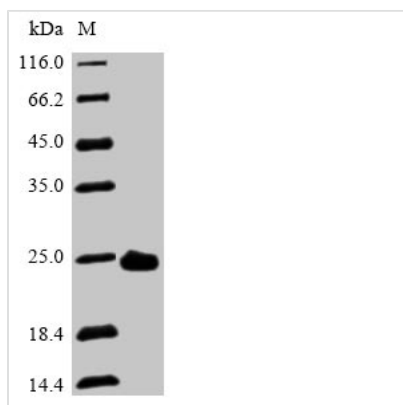




# Recombinant Human Peroxiredoxin-2 (PRDX2)

<b>Product Code</b>	CSB-YP339235HU
<b>Relevance</b>	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 <sub>2</sub> O <sub>2</sub> .
<b>Abbreviation</b>	Recombinant Human PRDX2 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>	P32119
<b>Alias</b>	Natural killer cell-enhancing factor B
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	ASGNARIGKPAPDFKATAVVDGAFKEVKLSDYKGKYVVLFFYPLDFTFVCPTTEII AFSNRAEDFRKLGCEVLGVSVD SQFTHLAWINTPRKEGGLGPLNIPLLDVTR RLSEDIYGV LKTDEGIAYRGLFIIDGKG VLRQITVNDLPVGRSVDEALRLVQAFQ YTDEHGEVCPAGWKPGSDTIKPNVDDSKKEYFSKHN
<b>Research Area</b>	Neuroscience
<b>Source</b>	Yeast
<b>Target Names</b>	PRDX2
<b>Protein Names</b>	Recommended name: Peroxiredoxin-2 EC= 1.11.1.15 Alternative name(s): Natural killer cell-enhancing factor B Short name= NKEF-B PRP Thiol-specific antioxidant protein Short name= TSA Thioredoxin peroxidase 1 Thi
<b>Expression Region</b>	2-198aa
<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>	23.8kDa
<b>Protein Length</b>	Full?Length
<b>Image</b>	



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

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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