

Recombinant Human PRDX2 Protein (2-198 aa), His-tagged

Cat. No. PRDX2-2247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRDX2 Protein (2-198 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	2-198 aa
Description	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 ₂ O ₂ .
Form	Tris-based buffer, 50% glycerol
Molecular Mass	23.8 kDa
AA Sequence	ASGNARIGKPAPDFKATAVVDGAFKEVKLSYKGYVVLFFYPLDFTFVCPTETIAFS NRAEDFRKLGCEVLGVSVDSQFTHLAWINTPRKEGGLGPLNIPLADVTRRLSEYDG VLKTDEGIAYRGLFIIDGKGVLRLQITVNDLPVGRSVDEALRLVQAFQYTDEHGEVCPA GWKPGSDTIKPNVDDSKYFSKHN

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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 will be sent along with the products. Please refer to it for detailed information.

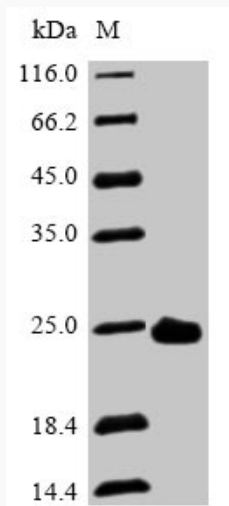
GENE INFORMATION

Gene Name	PRDX2 peroxiredoxin 2 [Homo sapiens]
Official Symbol	PRDX2
Synonyms	PRDX2; peroxiredoxin 2; TDPX1; peroxiredoxin-2; MGC4104; NKEFB; PRP; PRX2; PRXII; thiol torin; TSA; NKEF-B; TPX1;
Gene ID	7001
mRNA Refseq	NM_005809
Protein Refseq	NP_005800
MIM	600538
UniProt ID	P32119

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