

Recombinant Human SOD2 protein

Cat. No. SOD2-31475TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOD2 protein(P04179-1) (Lys 25-Lys 222) was expressed and purified in E.coli, with an initial Met.
Species	Human
Source	E.coli
ProteinLength	25-222 aa
Form	Lyophilized from sterile PBS, pH 7.5.
Molecular Mass	The recombinant human SOD2 consisting of 199 amino acids and has a calculated molecular mass of 22.3 kDa. It migrates as an 25 kDa band in SDS-PAGE under reducing conditions.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70°C as supplied. - 1 month, 2 to 8°C under sterile conditions after reconstitution. - 3 months, -20 to -70°C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be

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apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

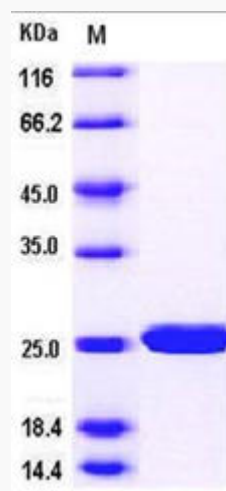
Gene Name	SOD2 superoxide dismutase 2, mitochondrial [Homo sapiens]
Official Symbol	SOD2
Synonyms	SOD2; superoxide dismutase 2, mitochondrial; superoxide dismutase [Mn], mitochondrial; indophenoloxidase B; Mn superoxide dismutase; mangano-superoxide dismutase; manganese-containing superoxide dismutase; IPOB; MNSOD; MVCD6;
Gene ID	6648
mRNA Refseq	NM_000636
Protein Refseq	NP_000627
MIM	147460
UniProt ID	P04179

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SDS-PAGE



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