

Recombinant E.coli SodA, His-tagged

Cat. No. sodA-985E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.colisodA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-206aa).
Species	E.coli
Source	E.coli
Description	Superoxide dismutase, Mn, also known as sodA, is a member of the iron/manganese superoxide dismutase family. SodA destroys radicals which are normally produced within the cells and which are toxic to biological systems. It works by catalyzing the dismutation of the superoxide radical O ₂ ⁻ to O ₂ and H ₂ O ₂ , which are then metabolized to H ₂ O and O ₂ by catalase and glutathione peroxidase.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 0.1M NaCl
Molecular Weight	25.2 kDa (226aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSYTLPSLPY AYDALEPHFD KQTMEIHHTK HHQTYVNNAN AALESLEPEFA NLPVEELITK LDQLPADKKTVLRNNAGGHA NHSLEFWKGLK KGTTLQGDLEK AAIERDFGSV DNFKAEFEKA AASRFGSGWA

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WLVKLGDKLA VVSTANQDSP LMGEAISGASGFPIMGLDVW EHAYYLKFQN
RRPDYIKEFW NVVNWDEAAA RFAAKK

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

sodA superoxide dismutase, Mn [*Escherichia coli* str. K-12 substr. MG1655]

Synonyms

sodA; ECK3901; JW3879; superoxide dismutase, Mn; NP_418344.3; EC 1.15.1.1; superoxide dismutase, manganese

Gene ID

948403

Protein Refseq

NP_418344

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