Recombinant Mouse Sod2 Protein, His-tagged

Cat. No. Sod2-7342M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Sod2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	25-222
Description	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
Form	Liquid
Molecular Mass	24.6 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSKHSLPDLPYDYGALEPHINAQIMQLHHSKHHA AYVNNLNATEEKYHEALAKGDVTTQVALQPALKFNGGGHINHTIFWTNLSPKGGGE PKGELLEAIKRDFGSFEKFKEKLTAVSVGVQGSGWGWLGFNKEQGRLQIAACSNQD PLQGTTGLIPLLGIDVWEHAYYLQYKNVRPDYLKAIWNVINWENVTERYTACKK
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.

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Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by bradford assay)
Storage Buffer	In Phosphate buffered saline (pH7.4) containing 10 % glycerol, 1 mM DTT.

GENE INFORMATION

Gene Name	Sod2 superoxide dismutase 2, mitochondrial [Mus musculus (house mouse)]
Official Symbol	Sod2
Synonyms	Sod2; superoxide dismutase 2, mitochondrial; Mn; Sod; MnSOD; Sod-2; superoxide dismutase [Mn], mitochondrial; manganese SOD; manganese superoxide dismutase; EC 1.15.1.1
Gene ID	20656
mRNA Refseq	NM_013671
Protein Refseq	NP_038699
UniProt ID	P09671

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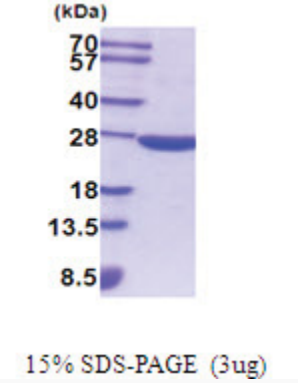
SDS-PAGE	 15% SDS-PAGE (3ug)

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