

Recombinant Rat Sod1 protein, His-tagged

Cat. No. Sod1-2026R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sod1 aa. (Ala2~Gln154 (Accession # P07632)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala2~Gln154
Form	Freeze-dried powder
Molecular Mass	17 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Sod1 superoxide dismutase 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Sod1
Synonyms	ABCB7; ATP binding cassette subfamily B member 7; ABC7; ASAT; Atm1p; EST140535; ATP-binding cassette sub-family B member 7, mitochondrial; ABC transporter 7 protein; ATP-binding cassette transporter 7; ATP-binding cassette, sub-family B (MDR/TAP), member 7
Gene ID	24786
mRNA Refseq	NM_017050.1
Protein Refseq	NP_058746.1
UniProt ID	P07632

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