

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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