

## Recombinant Mouse Sod1 protein, His-tagged

**Cat. No.** Sod1-2023M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Sod1 aa. (Ala2~Gln154 (Accession # P08228)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala2~Gln154
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 17.1kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.3.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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 lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

**Reconstitution**

Reconstitute in ddH<sub>2</sub>O.

## GENE INFORMATION

**Gene Name**

[Sod1 superoxide dismutase 1, soluble \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Sod1](#)

**Synonyms**

ABCC11; ATP binding cassette subfamily C member 11; WW; EWWD; MRP8; ATP-binding cassette sub-family C member 11; ATP-binding cassette protein C11; ATP-binding cassette transporter MRP8; ATP-binding cassette transporter sub-family C member 11; ATP-binding cassette, sub-family C (CFTR/MRP), member 11; multi-resistance protein 8; multidrug resistance-associated protein 8

**Gene ID**

[20655](#)

**mRNA Refseq**

[NM\\_011434.1](#)

**Protein Refseq**

[NP\\_035564.1](#)

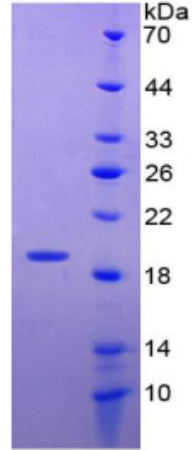
**UniProt ID**

[P08228](#)

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15% SDS-PAGE

SDS-PAGE

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