

Recombinant Mouse Sod1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Sod1 aa. (Ala2~Gln154 (Accession # P08228)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala2~Gln154
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.
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 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 ₂ 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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