

Recombinant Mouse Sat1 Protein, His-tagged

Cat. No. Sat1-2044M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sat1 Protein (Met1-Glu171) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Glu171
Description	Predicted to enable diamine N-acetyltransferase activity; identical protein binding activity; and spermidine binding activity. Acts upstream of or within regulation of cell population proliferation. Predicted to be located in cytoplasm. Predicted to be active in cytosol. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Orthologous to human SAT1 (spermidine/spermine N1-acetyltransferase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.7 kDa Accurate Molecular Mass: 24 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

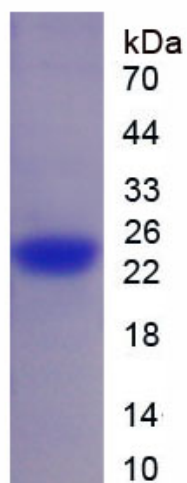
GENE INFORMATION

Gene Name	Sat1 spermidine/spermine N1-acetyl transferase 1 [Mus musculus (house mouse)]
Official Symbol	Sat1
Synonyms	SAT1; spermidine/spermine N1-acetyl transferase 1; diamine acetyltransferase 1; SSAT-1; putrescine acetyltransferase; polyamine N-acetyltransferase 1; spermidine/spermine N(1)-acetyltransferase 1; Sat; SSAT; AA617398;
Gene ID	20229
mRNA Refseq	NM_009121
Protein Refseq	NP_033147
UniProt ID	P48026

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