

Recombinant Human SAT1 Protein, His-tagged

Cat. No. SAT1-572H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SAT1(Met1~Glu171) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Glu171
Description	The protein encoded by this gene belongs to the acetyltransferase family, and is a rate-limiting enzyme in the catabolic pathway of polyamine metabolism. It catalyzes the acetylation of spermidine and spermine, and is involved in the regulation of the intracellular concentration of polyamines and their transport out of cells. Defects in this gene are associated with keratosis follicularis spinulosa decalvans (KFSD). Alternatively spliced transcripts have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	23.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

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.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[SAT1 spermidine/spermine N1-acetyltransferase 1 \[Homo sapiens \]](#)

Official Symbol

[SAT1](#)

Synonyms

SAT1; spermidine/spermine N1-acetyltransferase 1; SAT, spermidine/spermine N1 acetyltransferase; diamine acetyltransferase 1; diamine N acetyltransferase 1; SSAT; putrescine acetyltransferase; diamine N-acetyltransferase 1; polyamine N-acetyltransferase 1; spermidine/spermine N(1)-acetyltransferase 1; spermidine/spermine N1-acetyltransferase alpha; SAT; DC21; KFSD; KFSDX; SSAT-1;

Gene ID

[6303](#)

mRNA Refseq

[NM_002970](#)

Protein Refseq

[NP_002961](#)

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MIM	313020
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UniProt ID	P21673
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