

Diamine N-acetyltransferase 1 Recombinant Protein | SAT1 recombinant protein

Diamine N-acetyltransferase 1, 1-171aa, Human, His tag, E Coli

CATALOG # AAA11770	HOST E Coli	APPLICATIONS SDS-Page
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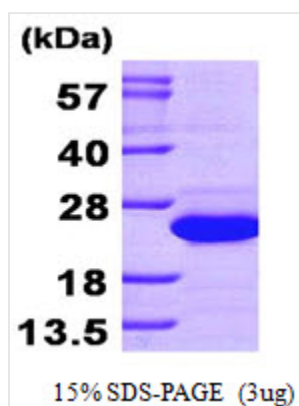
PRODUCT SYNONYMS

Diamine N-acetyltransferase 1; 1-171aa; Human; His tag; E Coli; spermidine/spermine N1-acetyltransferase 1; DC21; KFSD; KFSDX; SAT; SSAT; SSAT-1; SAT1; Diamine acetyltransferase 1; EC 2.3.1.57; Polyamine N-acetyltransferase 1; Putrescine acetyltransferase; Spermidine/spermine N (1)-acetyltransferase 1; SSAT 1.; SAT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAKFVIRP ATAADCSDIL RLIKELAKYE YMEEQVILTE KDILLEDGFGE HPFYHCLVAE VPKEHWTPPEG HSIVGFAMYY FTYDPWIGKL LYLEDFFVMS DYRGFGIGSE ILKNLSQVAM RCRCSSMHFL VAEWNPSIN FYKRRGASDL SSEEGWRLFK IDKEYLLKMA TEE
Sequence Length	1-171aa
Applicable Applications for SAT1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-171aa
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for SAT1 recombinant protein	Diamine N-acetyltransferase 1 (or Spermidine/spermine-N1-acetyltransferase, SSAT1), as known as SAT-1, is a polyamine catabolic enzyme which catalyzes the acetylation of polyamines. This protein plays an important role in polyamine homoeostasis, since acetylated products are either excreted from the cell or oxidized by acetylpolyamine oxidase. A variety of other effects of increased SAT-1 activity include death of pancreatic cells, blockage of regenerative tissue growth, behavioral changes, keratosis follicularis spinulosa decalvans (KFSD), and hair loss. Recombinant human SAT-1, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for SAT1 recombinant protein	Enzymes & Proteases
References	Pegg AE., et al. (2008). Am J Physiol Endocrinol Metab. 294: E995-E1010,; Janne J., et al. (2006). J Cell Mol Med. 10 (4):933-45.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506789
NCBI GeneID	6303
NCBI Accession #	NP_002961
NCBI GenBank Nucleotide #	NM_002970.3
UniProt Accession #	P21673; Q6ICU9
Molecular Weight	22.1 kDa (191aa), confirmed by MALDI-TOF.
NCBI Official Full Name	diamine acetyltransferase 1
NCBI Official Synonym Full Names	spermidine/spermine N1-acetyltransferase 1
NCBI Official Symbol	SAT1
NCBI Official Synonym Symbols	SAT; DC21; KFSD; SSAT; KFSDX; SSAT-1
NCBI Protein Information	diamine acetyltransferase 1
UniProt Protein Name	Diamine acetyltransferase 1
UniProt Gene Name	SAT1
UniProt Synonym Gene Names	SAT; SSAT; SSAT-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sat1-recombinant-protein-e-coli-sds-page/11770>