

Product datasheet for **AR09245PU-N**

SAT1 (1-171, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SAT1 (1-171, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAKFVIRPAT AADCSDILRL IKELAKYEYM EEQVILTEKD LLEDGFGEHP FYHCLVAEVP KEHWTPEGHS IVGFAMYYFT YDPWIGKLLY LEDFFVMSDY RGFGIGSEIL KNLSQVAMRC RCSSMHFLVA EWNEPSINFY KRRGASDLSS EEGWRLFKID KEYLLKMATE E
Tag:	His-tag
Predicted MW:	22.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SAT-1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_002961</u>
Locus ID:	6303
UniProt ID:	<u>P21673</u> , <u>A0A384NQ10</u>
Cytogenetics:	Xp22.11
Synonyms:	DC21; KFSD; KFSDX; SAT; SSAT; SSAT-1



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Summary:

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.[provided by RefSeq, Sep 2009]

Protein Families:

Druggable Genome

Protein Pathways:

Arginine and proline metabolism, Metabolic pathways

Product images: