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## Product Data Sheet

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Product Name: SAT2 Human  
 Cat. No.: GP22239  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Spermidine/spermine N1-acetyltransferase family member 2; Polyamine N-acetyltransferase 2; SSAT2; Thialysine N-epsilon-acetyltransferase; diamine acetyltransferase 2; S; EC 2.3.1.57.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MASVRIREAK EGDCGDILRL IRELAEFEKL SDQVKISEEA LRADGFGDNP FYHCLVAEIL PAPGKLLGPC VVGYGIIYFI YSTWKGRTIY LEDIYVMPEY RGQGIGSKII KKVAEVALDK GCSQFRLAVL DWNQRAMDLY KALGAQDLTE AEGWHFFCFQ GEATRKLAKG		
Formulation	The SAT2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

### Introduction

Spermidine/Spermine N1-Acetyltransferase 2, also known as SAT2 catalyzes the acetylation of polyamines (Acetyl-CoA + an alkane-alpha,omega-diamine = CoA + an N-acetyldiamine).

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SAT2 Human Recombinant produced in E. coli is a single polypeptide chain containing 190 amino acids (1-170) and having a molecular mass of 21.0kDa. SAT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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