

# Recombinant Human SAT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SAT2-4971H    **Lot. No.** (See product label)

## SPECIFICATION

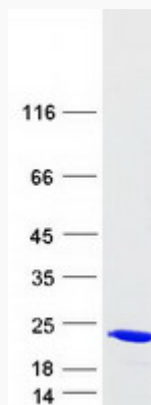
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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SAT2 MS Standard C13 and N15-labeled recombinant protein (NP_597998) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                |
| <b>Description</b>      | Enzyme which catalyzes the acetylation of polyamines. Substrate specificity: norspermidine > spermidine = spermine >> N(1)acetylspermine = putrescine.                                                                |
| <b>Molecular Mass</b>   | 19.2 kDa                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MASVRIREAKEGDCGDILRLIRELAEFEKLSDQVKISEEALRADGFGDNPFIHCLVAE<br>ILPAPGKLLGPCVVGYGIIYYFIYSTWKGRTIYLEDIYVMPEYRGQGIGSKIKKVAEVAL<br>DKGCSQFRLAVLDWNQRAMDLYKALGAQDLTEAGWHFFCFQGEATRKLAKGKTRT<br>RPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                           |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                           |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | SAT2 spermidine/spermine N1-acetyltransferase family member 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | SAT2                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | SAT2; spermidine/spermine N1-acetyltransferase family member 2; spermidine/spermine N1 acetyltransferase 2; diamine acetyltransferase 2; diamine N acetyltransferase 2; SSAT2; diamine N-acetyltransferase 2; polyamine N-acetyltransferase 2; thialysine N-epsilon-acetyltransferase; spermidine/spermine N1-acetyltransferase 2; spermidine/spermine N(1)-acetyltransferase 2; |
| <b>Gene ID</b>          | 112483                                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_133491                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_597998                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 611463                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | Q96F10                                                                                                                                                                                                                                                                                                                                                                           |

**SDS-PAGE**

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