

Product datasheet

Recombinant Human SAT1 protein ab87666

1 Image

Description

|                          |   |
|--------------------------|---|
| <b>Product name</b>      | Recombinant Human SAT1 protein  |
| <b>Purity</b>            | > 95 % SDS-PAGE.<br>Purified by using conventional chromatography.  |
| <b>Expression system</b> | Escherichia coli  |
| <b>Protein length</b>    | Full length protein   |
| <b>Animal free</b>       | No  |
| <b>Nature</b>            | Recombinant   |
| <b>Species</b>           | Human   |
| <b>Sequence</b>          | MGSSHHHHHH SSSLVPRGSH MAKFVIRPAT<br>AADCS DILRL IKELAKYEM EEQVILTEKD LLEDGFGEHP<br>FYHCLVAEVP KEHWTPEGHS I VGFAMYYFT<br>YDPWIGKLLY LEDFFVMSDY RGF GIGSEIL<br>KNLSQVAMRC RCSSMHFLVA EWNEPSINFY<br>KRRGASDLSS EEGWRLFKID KEYLLKMATE E |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab87666** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                     |          |
|---------------------|----------|
| <b>Applications</b> | SDS-PAGE |
| <b>Form</b>         | Liquid   |

Preparation and Storage

|                              |  |
|------------------------------|--|
| <b>Stability and Storage</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.<br>pH: 8.00<br>Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine) |
|------------------------------|--|

General Info

|                 |  |
|-----------------|--|
| <b>Function</b> | Enzyme which catalyzes the acetylation of polyamines. Substrate specificity: nonspermidine = |
|-----------------|--|

spermidine >> spermine > N(1)-acetylspermine > putrescine. This highly regulated enzyme allows a fine attenuation of the intracellular concentration of polyamines. Also involved in the regulation of polyamine transport out of cells. Acts on 1,3-diaminopropane, 1,5-diaminopentane, putrescine, spermidine (forming N(1)- and N(8)-acetylspermidine), spermine, N(1)-acetylspermidine and N(8)-acetylspermidine.

|                               |  |
|-------------------------------|--|
| <b>Pathway</b>                | Amine and polyamine degradation; putrescine degradation; N-acetylputrescine from putrescine: step 1/1. |
| <b>Involvement in disease</b> | Keratosis follicularis spinulosa decalvans X-linked  |
| <b>Sequence similarities</b>  | Belongs to the acetyltransferase family.<br>Contains 1 N-acetyltransferase domain.                     |
| <b>Cellular localization</b>  | Cytoplasm.   |

## Images



ab87666 on 15% SDS-PAGE (3µg)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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