

Product datasheet

Recombinant Human SUPT4H protein ab116940

1 Image

Description

Product name	Recombinant Human SUPT4H protein
Expression system	Wheat germ
Accession	P63272
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MALETVPKDLRHLRACLLCSLVKTIDQFEYDGCNCD AYLQMKGNREMY DCTSSSFDGIAMMSPEDSWVSKWQRVSNFKPGVYA VSVTGRLPQGMRE LKSRGVAYKSRDTAIAKT
Predicted molecular weight	39 kDa including tags
Amino acids	1 to 117

Specifications

Our [Abpromise guarantee](#) covers the use of **ab116940** in the following tested applications.

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

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein. This product was previously labelled as Suppressor of Ty 4 homolog 1

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function

Component of the DRB sensitivity-inducing factor complex (DSIF complex), which regulates mRNA processing and transcription elongation by RNA polymerase II. DSIF positively regulates mRNA capping by stimulating the mRNA guanylyltransferase activity of RNGTT/CAP1A. DSIF also acts cooperatively with the negative elongation factor complex (NELF complex) to enhance transcriptional pausing at sites proximal to the promoter. Transcriptional pausing may facilitate the assembly of an elongation competent RNA polymerase II complex. DSIF and NELF promote pausing by inhibition of the transcription elongation factor TFIIIS/S-II. TFIIIS/S-II binds to RNA polymerase II at transcription pause sites and stimulates the weak intrinsic nuclease activity of the enzyme. Cleavage of blocked transcripts by RNA polymerase II promotes the resumption of transcription from the new 3' terminus and may allow repeated attempts at transcription through natural pause sites. DSIF can also positively regulate transcriptional elongation and is required for the efficient activation of transcriptional elongation by the HIV-1 nuclear transcriptional activator, Tat. DSIF acts to suppress transcriptional pausing in transcripts derived from the HIV-1 LTR and blocks premature release of HIV-1 transcripts at terminator sequences.

Tissue specificity

Widely expressed.

Sequence similarities

Belongs to the SPT4 family.

Cellular localization

Nucleus.

Images



12.5% SDS-PAGE stained with Coomassie Blue showing ab116940 at approximately 38.61 kDa.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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