

## Product datasheet

# Recombinant Human SUPT16H protein ab161347

1 Image

### Description

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<b>Product name</b>	Recombinant Human SUPT16H protein	
<b>Expression system</b>	Wheat germ	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	PGEQTVPALNLQNAFRIIKEVQKRYKTREAEKEKEGIVKQ DSLVINLNR SNPKLKDLYIRPNIAQKRMQGSLEAHVNGFRFTSVRGDKV DILYNNIKHA LFQPCDGE	
<b>Amino acids</b>	608 to 715	
<b>Tags</b>	GST tag N-Terminus	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab161347** 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>	ELISA
	Western blot
<b>Form</b>	Liquid

### Additional notes

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
	pH: 8.00
	Constituents: 0.31% Glutathione, 0.79% Tris HCl

### General Info

**Function**

Component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II. The FACT complex is probably also involved in phosphorylation of 'Ser-392' of p53/TP53 via its association with CK2 (casein kinase II). Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.

**Tissue specificity**

Ubiquitous.

**Sequence similarities**

Belongs to the peptidase M24 family, SPT16 subfamily.

**Domain**

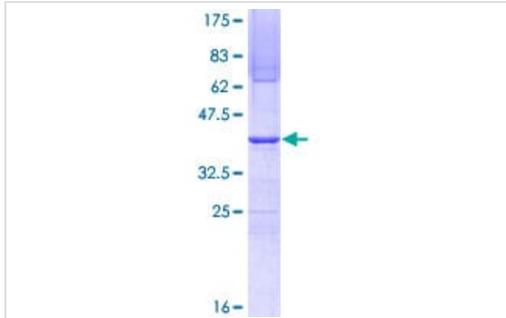
The Glu-rich acidic region in C-terminus is essential for FACT activity.

**Post-translational modifications**

ADP-ribosylated. ADP-ribosylation by PARP1 is induced by genotoxic stress and correlates with dissociation of FACT from chromatin.

**Cellular localization**

Nucleus. Chromosome. Colocalizes with RNA polymerase II on chromatin. Recruited to actively transcribed loci.

**Images**

SDS-PAGE - Recombinant Human SUPT16H protein (ab161347)

ab161347 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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