

Datasheet for ABIN7564275  
**ELL3 Protein (AA 1-395) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ELL3
Protein Characteristics:	AA 1-395
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELL3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Ell3 Protein expressed in mammalien cells.
Sequence:	MEGTQEALSG KMRLLLFTPAA RTSLMLRLN EAALRALQEC QQQQVRPVIA FQGHRGYLRF PGPGWSCLFS FIVSQCGQEG TNGGLDLVYQ RLGRSGPNCL HCLGSLRERL TIWAAMDTIP APLLAQEHLT EGTRESESWQ DTGDEPEGHP QLAPDEVSDP LASHHEQSLP GSSSEPMAQW EMRNHTYLPS REPDQSLLSP ASQKRLDKKR SAPITTEEPE EKRLRALPLA SSPLQGLANQ DSQEGEDWGQ DEDEEGDEDG DSRLEQSLSA PSASESPSPE EVPDYLLQYR AIHSTEQQA YEQDFETDYA EYRILHARVG AASQRFTELG AEIKRLQRGT PEHKVLEDKI VQEYKKFRKR YPSYREEKHR CEYLHQKLSH IKGLILEFEE KNRGS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: ELL3

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Alternative Name: EII3 ([ELL3 Products](#))

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Background: RNA polymerase II elongation factor ELL3,FUNCTION: Enhancer-binding elongation factor that specifically binds enhancers in embryonic stem cells (ES cells), marks them, and is required for their future activation during stem cell specification. Elongation factor component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene transcription by RNA polymerase II and III. Does not only bind to enhancer regions of active genes, but also marks the enhancers that are in a poised or inactive state in ES cells and is required for establishing proper RNA polymerase II occupancy at developmentally regulated genes in a cohesin-dependent manner. Probably required for priming developmentally regulated genes for later recruitment of the super elongation complex (SEC), for transcriptional activation during differentiation. Required for recruitment of P-TEFb within SEC during differentiation. Probably preloaded on germ cell chromatin, suggesting that it may prime gene activation by marking enhancers as early as in the germ cells. Promoting epithelial-

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## Target Details

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mesenchymal transition (EMT). {ECO:0000269|PubMed:22768269,  
ECO:0000269|PubMed:23273992}.

Molecular Weight: 44.8 kDa

UniProt: [Q80VR2](#)

Pathways: [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months