

[Go to Product page](#)

Datasheet for ABIN7557528  
**SUN3 Protein (AA 1-320) (His tag)**

## Overview

Quantity:	1 mg
Target:	SUN3
Protein Characteristics:	AA 1-320
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SUN3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Sun3 Protein expressed in mammalian cells.
Sequence:	MLTRSWKIIL STVFISTFLL VGLLNHQWLK ETEFPQKPRQ LYTVIAEYGS RLYNYQARLR MPKEQQELLK KESQTLNENF REILFLIEQI DVLKALLKDM KDGVHNHSLP VHRDAVQDQA TTDVLDEEMS NLVHYVLKKF RGDQIQLADY ALKSAGASVI EAGTSESYKN NKAKLYWHGI GFLNYEMPPD MILQPDVHPG KCWAFPGSQG HILIKLARKI IPTAVTMEHI SEKVSPSGNI SSAPKEFSVY GVMKKCEGEE IFLGQFIYNK MEATIQTFFEL QNEASESLLC VKLQILSNWG HPKYTCLYRF RVHGIPSDYT <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	SUN3
Alternative Name:	Sun3 ( <a href="#">SUN3 Products</a> )
Background:	SUN domain-containing protein 3 (Sad1/unc-84 domain-containing protein 1),FUNCTION: As a probable component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. May be involved in nuclear remodeling during sperm head formation in spermatogenesis. A probable SUN3:SYNE1 LINC complex may tether spermatid nuclei to posterior cytoskeletal structures such as the manchette. {ECO:0000305 PubMed:20711465}.
Molecular Weight:	36.8 kDa
UniProt:	<a href="#">Q5SS91</a>

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## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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## Application Details

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functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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