

Datasheet for ABIN7545974  
**SF3A3 Protein (AA 1-501) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SF3A3
Protein Characteristics:	AA 1-501
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SF3A3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SF3A3 Protein expressed in mammalian cells.
Sequence:	METILEQRR YHEEKERLMD VMAKEMLTKK STLRDQINSD HRTRAMQDRY MEVSGNLRDL YDDKDGLRKE ELNAISGPNE FAEFYNRLKQ IKEFHRKHPN EICVPMSVEF EELLKAREN SEEAQNLVEF TDEEGYGRYL DLHDCYLKYI NLKASEKLDY ITYLSIFDQL FDIPKERKNA EYKRYLEMLL EYLQDYTDV KPLQDQNELF GKIQAEFK WENGTFFGWP KETSSALHTA GAHLDSLAFS SWEELASLGL DRLKSALLAL GLKCGGTLEE RAQRLFSTKG KSLESLDTSL FAKNPKSKGT KRDERNKDI AFLEAQIYEV VEILGEQRHL THENVQRKQA RTGEEREEEE EEQISESESE DEENEIYNP KNLPLGWDGK PIPYWLYKLH GLNINYNCEI CGNYTYRGPK AFQRHFAEWR HAHGMRCLGI PNTAHFANVT QIEDAVSLWA KLKQKASER WQPDTEEEYE DSSGNVNNKK TYEDLKRQGL L <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

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- 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.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

SF3A3

### Alternative Name:

SF3A3 ([SF3A3 Products](#))

### Background:

Splicing factor 3A subunit 3 (SF3a60) (Spliceosome-associated protein 61) (SAP 61),FUNCTION: Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:8022796, PubMed:10882114, PubMed:11533230, PubMed:32494006, PubMed:34822310). The 17S U2 SnRNP complex (1) directly participates in early spliceosome assembly and (2) mediates recognition of the intron branch site during pre-mRNA splicing by promoting the selection of the pre-mRNA branch-site adenosine, the nucleophile for the first step of splicing (PubMed:10882114, PubMed:11533230, PubMed:32494006, PubMed:34822310). Within the 17S U2 SnRNP complex, SF3A3 is part of the SF3A subcomplex that contributes to the assembly of the 17S U2 snRNP, and the subsequent assembly of the pre-spliceosome 'E' complex and the pre-catalytic spliceosome 'A' complex (PubMed:10882114, PubMed:11533230). Involved in pre-mRNA splicing as a component of pre-catalytic

## Target Details

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spliceosome 'B' complexes (PubMed:29360106, PubMed:30315277).  
{ECO:0000269|PubMed:10882114, ECO:0000269|PubMed:11533230,  
ECO:0000269|PubMed:29360106, ECO:0000269|PubMed:30315277,  
ECO:0000269|PubMed:32494006, ECO:0000269|PubMed:34822310,  
ECO:0000269|PubMed:8022796}.

Molecular Weight: 58.8 kDa

UniProt: [Q12874](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

## 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 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