

Datasheet for ABIN7546116
SF3A2 Protein (AA 1-464) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | SF3A2 |
| Protein Characteristics: | AA 1-464 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SF3A2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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|-----------|---|
| Purpose: | Custom-made recombinat SF3A2 Protein expressed in mammalien cells. |
| Sequence: | MDFQHRPGGK TGSGGVASSS ESNRDRRERL RQLALETIDI NKDPYFMKNH LGSYECKLCL TLHNNEGSYL AHTQGKKHQT NLARRAAKEA KEAPAQPAPE KVKVEVKKFV KIGRPGYKVT KQRDSEMGQQ SLLFQIDYPE IAEGIMPRHR FMSAYEQRIE PPDRRWQYLL MAAEPTYETIA FKVPSREIDK AEGKFWTHWN RETKQFFLQF HFKMEKPPAP PSLPAGPPGV KRPPPLMNG LPPRPLPES LPPPPPGLP LPPMPPTGPA PSGPPGPPQL PPPAPGVHPP APVVHPPASG VHPPAPGVHP PAPGVHPPAP GVHPPTSGVH PPAPGVHPPA PGVHPPAPGV HPPAPGVHPP APGVHPPPSA GVHPQAPGVH PAAPAVHPQA PGVHPPAPGM HPQAPGVHPQ PPGVHPSAPG VHPQPPGVHP SNPGVHPPTP MPPMLRPPLP SEGPGNIPPP PPTN 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. |

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

SF3A2

Alternative Name:

SF3A2 ([SF3A2 Products](#))

Background:

Splicing factor 3A subunit 2 (SF3a66) (Spliceosome-associated protein 62) (SAP 62),FUNCTION: Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (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, SF3A2 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 spliceosome 'B' complexes, including the Bact complex (PubMed:29360106,

Target Details

PubMed:29361316, PubMed:30315277). Interacts directly with the duplex formed by U2 snRNA and the intron (PubMed:29360106). {ECO:0000269|PubMed:10882114, ECO:0000269|PubMed:11533230, ECO:0000269|PubMed:29360106, ECO:0000269|PubMed:29361316, ECO:0000269|PubMed:30315277, ECO:0000269|PubMed:32494006, ECO:0000269|PubMed:34822310}.

Molecular Weight: 49.3 kDa

UniProt: [Q15428](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

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

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