

Datasheet for ABIN7555492  
**SCAF4 Protein (AA 1-1147) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SCAF4
Protein Characteristics:	AA 1-1147
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCAF4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat SCAF4 Protein expressed in mammalien cells.
Sequence:	MDAVNAFNQE LFSLMDMKPP ISRAKMILIT KAAIKAIKLY KHVVQIVEKF IKKCKPEYKV PGLYVIDSIV RQSRHQFGTD KDVFGRFSK NITATFQYLY LCPSKSKSI VRVLNLWQKN GVFKIEIIQP LLDMAAGTSN AAPVAENVTN NEGSPPPPVK VSSEPTQAT PNSVPAVPQL PSSDAFAAVA QLFQTTQGQQ LQQILQTFQQ PPKPQSPALD NAVMAQVQAI TAQLKTTPTQ PSEQKAAFPP PEQKTAFDKK LLDRFDYDDE PEAVEESKKE DTTAVTTTAP AAAVPPAPTA TVPAAAAPAA ASPPPPQAPF GFPDGMQQP AYTQHQNMDQ FQPRMMGIQQ DPMHHQVPLP PNGQMPGFL LPTPPFPMA QPVIPTPPV QQPQASQA QNEPLTQKPH QEEMEVEQPC IQEVKRHMSD NRKSRRSAS RSPKRRRSRS GSRRRSRHR RSRRSRDRR RHSPRSRSQE RRDREKERER RQKGLPQVKP ETASVCSTTL WVGQDKRRTT QQDVASLLEE FGPIESINMI PPRGCAIYVM VHRQDAYRAL QKLSRGNYKV NQKSIKIWA LKNGIKADYK QYWDVELGVT YIPWDKVKPE ELESFCEGGM LDSDTLNPDW KGIPKPPENE VAQNGGAETS HTEPVSPIPK

## Product Details

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PLPVPVPIIP VPAPITVPPP QVPPHQPGPP VVGALQPPAF TPPLGIPPPG FGPGVPPPPP  
PPPFRLRPGFN PMHLPPGFLP PGPPPPITPP VSIPPPHTPP ISIPNSTIAG INEDTTKDLS  
IGNPIPTVVS GARGNAESGD SVKMYGSAVP PAAPTNLPTP PVTQPVSLLG TQGVAPGPVI  
GLQAPSTGLL GARPGLIPLQ RPPGMPPPHL QRFPLMPPRP MPPHMMHRGP PPGPGGFAMP  
PPHGMKGPFPHGPFVVRPGG MPGLGGPGPG PGGPEDRDGR QQPPQQPQQQ PQQAPQQPQ  
QQQQQQPPPS QQPPTQQQP QQFRNDNRQQ FNSGRDQERF GRRSFGNRVE NDRERYGNRN  
DDRDNSNRDR REWGRRSPDR DRHRDLEERN RRSSGHRDRE RDSRDRESRR EKEEARGKEK  
PEVTRAGGN KTVEPPISQV GNVDTASELE KGVSEAAVLK PSEELPAEAT SSVEPEKDSG  
SAAEAPR **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.**

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### 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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

SCAF4

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### Alternative Name:

SCAF4 ([SCAF4 Products](#))

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### Background:

SR-related and CTD-associated factor 4 (CTD-binding SR-like protein RA4) (Splicing factor, arginine/serine-rich 15),FUNCTION: Anti-terminator protein required to prevent early mRNA

## Target Details

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termination during transcription (PubMed:31104839). Together with SCAF8, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation of non-functional truncated proteins (PubMed:31104839). Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation (PubMed:31104839). Independently of SCAF8, also acts as a suppressor of transcriptional readthrough (PubMed:31104839). {ECO:0000269|PubMed:31104839}.

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Molecular Weight: 125.9 kDa

UniProt: [O95104](#)

## 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.

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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