

Datasheet for ABIN7561695

SRF Protein (AA 1-504) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SRF
Protein Characteristics:	AA 1-504
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Srf Protein expressed in mammalian cells.
Sequence:	<p>MLPSQAGAAA ALGRGSALGG NLNRTPTGRP GGGGGTRGAN GGRVPGNGAG LGQSRLEEA AAAAAPTAGA LYSGSEGDSE SGEEELGAE RRGLKRSLSE MELGVVVGPP EAAAAAGGY GPVSGAVSGA KPGKKTRGRV KIKMEFIDNK LRRYTTFSKR KTGIMKKAYE LSTLTGTQVL LLVASETGHV YTFATRLQRP MITSETGKAL IQTCLNSPDS PPRSDPTTDQ RMSATGFEEP DLTYQVSESD SSGETKDTLK PAFTVTNLPG TTSTIQTAPS TSTTMQVSSG PSFPITNYLA PVSASVSPSA VSSANGTVLK STGSGPVSSG GLMQLPTSFT LMPGGAVAQQ VPVQAIHVHQ APQQASPSRD SSTDLTQTSS SGTVTLPATI MTSSVPTTVG GHMMYPSPHA VMYAPTSGLA DGSLTVLNAF SQAPSTMQVS HSQVQEPGGV PQVFLTAPSG TVQIPVSAVQ LHQMAVIGQQ AGSSSNLTEL QVVNLDATHS TKSE</p> <p>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.</p>

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:

SRF

Alternative Name:

Srf ([SRF Products](#))

Background:

Serum response factor (SRF),FUNCTION: SRF is a transcription factor that binds to the serum response element (SRE), a short sequence of dyad symmetry located 300 bp to the 5' of the site of transcription initiation of some genes (such as FOS) (PubMed:24732378). Together with MRTFA transcription coactivator, controls expression of genes regulating the cytoskeleton during development, morphogenesis and cell migration (PubMed:12732141, PubMed:19350017, PubMed:24732378). The SRF-MRTFA complex activity responds to Rho GTPase-induced changes in cellular globular actin (G-actin) concentration, thereby coupling cytoskeletal gene expression to cytoskeletal dynamics (PubMed:24732378). Required for cardiac differentiation and maturation (PubMed:15169892). {ECO:0000269|PubMed:12732141, ECO:0000269|PubMed:15169892, ECO:0000269|PubMed:19350017, ECO:0000269|PubMed:24732378}.

Molecular Weight:

51.2 kDa

UniProt:

[Q9JM73](#)

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.
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Restrictions:	For Research Use only
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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