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Datasheet for ABIN7559034  
**STAC3 Protein (AA 1-360) (His tag)**

## Overview

Quantity:	1 mg
Target:	STAC3
Protein Characteristics:	AA 1-360
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAC3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Stac3 Protein expressed in mammalien cells.
Sequence:	<p>MTEKEVVESP QPPFPGETPQ SGLQRLKQLF KKGSPETAEM EPPPEPQANG EAVGAGGGPI YYIYEEEEEE EEEEEPPPEP PKLVNDKPHK FKDHFFKKPK FCDVCARMIV LNNKFGLRCK NCKTNIHEHC QSYVEMQRCF GKIPPGFRRA YSSPLYSDQQ YAVSAANRND PVFETLRVGV IMANKERKKG QADKKNPLAA MMEEEPESAR PEEGKSQDGN NAEKDCKKAEK KTPDDKNKQP GFQQSHYFVA LYRFKALEKD DLDFPPGEKI TVIDDSNEEW WRGKIGEKVG FFPPNFIIIRV RAGERVHRVT RSFVGNREIG QITLKKDQIV VQKGDEAGGY VKVYTGRKVG LFPTDFLEEI</p> <p><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></p>
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, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	STAC3
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Alternative Name:	Stac3 ( <a href="#">STAC3 Products</a> )
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Background:	<p>SH3 and cysteine-rich domain-containing protein 3,FUNCTION: Required for normal excitation-contraction coupling in skeletal muscle and for normal muscle contraction in response to membrane depolarization (PubMed:23818578, PubMed:27621462, PubMed:29467163). Required for normal Ca(2+) release from the sarcoplasmic reticulum, which ultimately leads to muscle contraction (PubMed:23818578). Probably functions via its effects on muscle calcium channels. Increases CACNA1S channel activity, in addition to its role in enhancing the expression of CACNA1S at the cell membrane (PubMed:27621462). Has a redundant role in promoting the expression of the calcium channel CACNA1S at the cell membrane (PubMed:25548159, PubMed:27621462, PubMed:29467163). Slows down the inactivation rate of the calcium channel CACNA1C (PubMed:25548159, PubMed:29363593). {ECO:0000269 PubMed:23818578, ECO:0000269 PubMed:25548159, ECO:0000269 PubMed:27621462, ECO:0000269 PubMed:29363593, ECO:0000269 PubMed:29467163}.</p>
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Molecular Weight:	41.0 kDa
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## Target Details

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UniProt: [Q8BZ71](#)

## 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.

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