

Datasheet for ABIN7561538  
**ACTN2 Protein (AA 1-894) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ACTN2
Protein Characteristics:	AA 1-894
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACTN2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Actn2 Protein expressed in mammalien cells.
Sequence:	<p>MNQIEPGVQY NYVYDEDEYM IQEEEWDRDL LLDPAWEKQQ RKTFTAWCNS HLRKAGTQIE NIEEDFRNGL KLMLLLEVIS GERLPKPDRG KMRFHKIANV NKALDYIASK GVKLVSIGAE EIVDGNVKMT LGMIWTILR FAIQDISVEE TSAKEGLLW CQRKTAPYRN VNIQNFHTSW KDGLGLCALI HRHRPDLIDY SKLNKDDPIG NINLAMEIAE KHLDIPKMLD AEDIVNTPKP DERAIMTYVS CFYHAFAGAE QAETAANRIC KVLAVNQENE RLMEEYERLA SELLEWIRRT IPWLENRTPE KTMQAMQKKL EDFRDYRRKH KPPKVQEKQCQ LEINFNTLQT KLRISNRPAF MPSEGKMVSD IAGAWQRLEQ AEKGYEEWLL NEIRRLERLE HLAEKFRQKA STHETWAYGK EQILLQKDYE SASLTEVRAL LRKHEAFESD LAAHQDRVEQ IAAIAQELNE LDYHDAVNVN DRCQKICDQW DRLGTLTQKR REALERTEKL LETIDQLHLE FAKRAAPFNN WMEGAMEDLQ DMFIVHSIEE IQSLITAHEQ FKATLPEADG ERQSILAIQN EVEKVIQSYS IRISSSNPYS TVTMDELRNK WDKVKQLVPV RDQSLQEELA RQHANERLRR QFAAQANAIG PWIQNKMEEI</p>

## Product Details

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ARSSIQITGA LEDQMNQLKQ YEHNIINYKN NIDKLEGDHQ LIQEALVFDN KHTNYTMEHI  
RVGWELLTT IARTINEVET QILTRDAKGI TQEQMNEFRA SFNHFDRRKN GLMDHEDFRA  
CLISMGYDLG EAEFARIMTL VDPNGQGTVT FQSFIDFMTR ETADTDTAEQ VIASFRILAS  
DKPYILAEEL RRELPPDQAQ YCIKRMPPYS GPGSVPGALD YTAFSSALYG ESDL **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:

ACTN2

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### Alternative Name:

Actn2 ([ACTN2 Products](#))

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### Background:

Alpha-actinin-2 (Alpha-actinin skeletal muscle isoform 2) (F-actin cross-linking protein),FUNCTION: F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (By similarity). {ECO:0000250}.

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### Molecular Weight:

103.8 kDa

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### UniProt:

[Q9JI91](#)

## Target Details

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Pathways: [Cell-Cell Junction Organization](#), [Skeletal Muscle Fiber Development](#), [Negative Regulation of Transporter Activity](#)

## 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

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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