

Datasheet for ABIN7558253

ACTN1 Protein (AA 1-892) (His tag)



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Overview

Quantity:	1 mg
Target:	ACTN1
Protein Characteristics:	AA 1-892
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACTN1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Actn1 Protein expressed in mammalian cells.
Sequence:	<p>MDHYDSQQTN DYMQPEEDWD RDLLDPAWE KQQRKTFTAW CNSHLRKAGT QIENIEEDFR</p> <p>DGLKLMLLLE VISGERLAKP ERGKMRVHKI SNVNKALDFI ASKGVKLVSI GAEEIVDGNV</p> <p>KMTLGMWITI ILRFAIQDIS VEETSAKEGL LLWCQRKTAP YKNVNIQNFH ISWKDGLGFC</p> <p>ALIHRHRPEL IDYGKLRKDD PLTNLNTAFD VAERFLDIPK MLDAEDIVGT ARPDEKAIMT</p> <p>YVSSFYHAFS GAQKAETAN RICKVLAVNQ ENEQLMEDYE KLASDLLEWI RRTIPWLENR</p> <p>VPENTMHAMQ QKLEDFRDYR RLHKPPKVQE KCQLEINFNT LQTKLRLSNR PAFMPSEGRM</p> <p>VSDINNAWGC LEQAEKGYEE WLLNEIRRLE RLDHLAEKFR QKASIHEAWT DGKEAMLRQK</p> <p>DYETATLSEI KALLKKHEAF ESDLAHQDR VEQIAAIAQE LNELDYDPS SVNARCQKIC</p> <p>DQWDNLGALT QKRREALERT EKLLTIDQL YLEYAKRAAP FNNWMEGAME DLQDTFIVHT</p> <p>IEEIQGLTTA HEQFKATLPD ADKERLAILG IHNEVSKIVQ TYHVN MAGTN PYTTITPQEI</p> <p>NGKWDHVRQL VPRRDQALTE EHARQQHNER LRKQFGAQAQAN VIGPWIQTKM EEIGRISIEM</p>

HGTLEDQLSH LRQYEKSIVN YKPKIDQLEC DHQLIQEALI FDNKHTNYNM EHIRVGWEQL
LTTIARTINE VENQILTRDA KGISQEQMNE FRASFNHFDR DHSGTLGPPEE FKACLISLGY
DIGNDPQGEA EFARIMSIVD PNRLGVVTFQ AFIDFMSRET ADTDTADQVM ASFKILAGDK
NYITEDELRR ELPPDQAEYC IARMAPYAGP DSVPGALDYM SFSTALYGES DL **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.**

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:

ACTN1

Alternative Name:

Actn1 ([ACTN1 Products](#))

Background:

Alpha-actinin-1 (Alpha-actinin cytoskeletal isoform) (F-actin cross-linking protein) (Non-muscle alpha-actinin-1),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}.

Molecular Weight:

103.1 kDa

UniProt:

[Q7TPR4](#)

Target Details

Pathways: [Cell-Cell Junction 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