

Datasheet for ABIN7562700

ACTN3 Protein (AA 1-900) (His tag)



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Overview

Quantity:	1 mg
Target:	ACTN3
Protein Characteristics:	AA 1-900
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACTN3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Actn3 Protein expressed in mammalian cells.
Sequence:	<p>MMMVMQPEGL GAGEGPFSGG GGGEYMEQEE DWDRDLLLDP AWEKQQRKTF TAWCNSHLRK</p> <p>AGTQIENIEE DFRNGLKLML LLEVISGERL PRPDKGKMRF HKIANVNKAL DFIASKGVKL</p> <p>VSIGAEIIVD GNLKMTLGMI WTIILRFAIQ DISVEETSAK EGLLLWCQRK TAPYRNVNVQ</p> <p>NFHTSWKDGL ALCALIHRRH PDLIDYAKLR KDDPIGNLNT AFEVAEKYLD IPKMLDAEDI</p> <p>VNTPKPDEKA IMTYVSCFYH AFAGAEQAET AANRICKVLA VNQENEKLME EYEKLASELL</p> <p>EWIRRTVPWL ENRVGEPSMS AMQRKLEDFR DYRRHLHKPPR VQEKQCLEIN FNTLQTKLRL</p> <p>SHRPAFMPSE GKLVS DIANA WRGLEQVEKG YEDWLLSEIR RLQRLQH LAE KFQQKASLHE</p> <p>AWTRGKEEML NQHDYESASL QEV RALLRRH EAFESDLAAH QDRVEHIAAL AQELNELDYH</p> <p>EAASVNSRCQ AICDQWDNLG TLTQKRRDAL ERMEKLLETI DQLQLEFARR AAPFNNWLDG</p> <p>AIEDLQDVWL VHSVEETQSL LTAHEQFKAT LPEADRERGA ILGIQGEIQK ICQTYGLRPK</p> <p>SGNPYITLSS QDINNKWDTV RKLVP SRDQT LQEELARQQV NERLRRQFAA QANAIGPWIQ</p>

GKVEEVGRLA AGLAGSLEEQ MAGLRQQEQN IINYKSNIDR LEGDHQLLQE SLVFDNKHTV
YSMEHIRVGW EQLLTSIART INEVENQVLT RDAKGLSSEQ LNEFRASFNH FDRKRNGMME
PDDFRACLIS MGYDLGEVEF ARIMTMVDPN AAGVVTFQAF IDFMTRETAE TDTAEQVVAS
FKILAGDKNY ITPEELRREL PAEQAEYCIR RMAPYKGSGA PSGALDYVAF SSALYGESDL

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:

ACTN3

Alternative Name:

Actn3 ([ACTN3 Products](#))

Background:

Alpha-actinin-3 (Alpha-actinin skeletal muscle isoform 3) (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}.

Molecular Weight:

103.0 kDa

UniProt:

[O88990](#)

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