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Datasheet for ABIN7562597

Advillin Protein (AVIL) (AA 1-819) (His tag)

Overview

Quantity:	1 mg
Target:	Advillin (AVIL)
Protein Characteristics:	AA 1-819
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Advillin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Avil Protein expressed in mammalien cells.
Sequence:	<p>MSLSSAFRAV SNDPRIITWR IEKMELALVP LSAHGNFYEG DCYIVLSTRR VGSLLSQNIH FWIGKDSSQD EQSCAAIYTT QLDDYLGGS VQHREVQYHE SDTFRGYFKQ GIIYKKGVA SGMKHVETNT YDVKRLLHVK GKRNIQATEV EMSWDSFNRG DVFLDLGMV IIQWNGPESN SGERLKAMLL AKDIRDRERG GRAEIGVIEG DKEAASPGLM TVLQDTLGRR SMIKPAVSDE IMDQQQKSSI MLYHVSDTAG QLSVTEVATR PLVQDLLNHD DCYILDQSGT KIYVWKGKGA TKVEKQAAMS KALDFIKMKG YPSSTNVETV NDGAESAMFK QLFQKWSVKD QTTGLGKIFS TGKIAKIFQD KFDVSLHHTK PEVAAQERMV DDGKGQVEVW RIENLELVPV EYQWHGFFYG GDCYLVLYTY DVNGKPHYIL YIWQGRHASR DELAASAYRA VEVDQQFDGA PVQVRVSMGK EPRHFMAIFK GKLVIYEGGT SRKGNEEPDP PVRLFQIHGN DKSNTKAVEV SASASSLNSN DVFLLRQAE HYLWYGGKSS GDERAMAKEL VDLLCDGNAD TVAEGQEPPE FWDLLGGKTA YANDKRLQQE TLDVQVRLFE CSNKTGRFLV TEVTDFTQED LSPGDVMLLD TWDQVFLWIG</p>

Product Details

AEANATEKKG ALSTAQEYLV THPSGRDPDT PILIIKQGF PPTFTGWFLA WDPHIWSEGK
SYEQLKNELG DATAIVRITA DMKNATLYLN PSDGEPKYYP VEVLLKGQNGQ ELPEDVDPAK
KENYLSEQDF VSVFGITRGQ FTALPGWKQL QLKKERGLF **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:

Advillin (AVIL)

Alternative Name:

Avil ([AVIL Products](#))

Background:

Advillin (Actin-binding protein DOC6) (p92),FUNCTION: Ca(2+)-regulated actin-binding protein which plays an important role in actin bundling. May have a unique function in the morphogenesis of neuronal cells which form ganglia. Required for SREC1-mediated regulation of neurite-like outgrowth. Plays a role in regenerative sensory axon outgrowth and remodeling processes after peripheral injury in neonates. Involved in the formation of long fine actin-containing filopodia-like structures in fibroblast. Plays a role in ciliogenesis (PubMed:15247299, PubMed:18160648). In podocytes, controls lamellipodia formation through the regulation of

Target Details

EGF-induced diacylglycerol generation by PLCE1 and ARP2/3 complex assembly (By similarity).
{ECO:0000250|UniProtKB:O75366, ECO:0000269|PubMed:15247299,
ECO:0000269|PubMed:18160648}.

Molecular Weight: 92.0 kDa

UniProt: [O88398](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

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