

Datasheet for ABIN7552592

Advillin Protein (AVIL) (AA 1-819) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Advillin (AVIL)
Protein Characteristics:	AA 1-819
Origin:	Human
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 mammalian cells.
Sequence:	<p>MPLTSAFRAV DNDPGIIVWR IEKMELALVP VSAHGNFYEG DCYVILSTRR VASLLSQDIH FWIGKDSSQD EQSCAAIYTT QLDDYLGGSP VQHREVQYHE SDTFRGYFKQ GIIYKQGGVA SGMKHVETNT YDVKRLLHVK GKRNI RATEV EMSWDSFNRG DVFLDLGKV IIQWNGPESN SGERLKAMLL AKDIRDRERG GRAKIGVIEG DKEAASPELM KVLQDTLGRR SIIKPTVPDE IIDQKQKSTI MLYHISDSAG QLAVTEVATR PLVQDLLNHD DCYILDQSGT KIYVWKGKGA TKAEKQAAMS KALGFIMKS YPSSTNVETV NDGAESAMFK QLFQKWSVKD QTMGLGKTFS IGKIAKVFQD KFDVTLLHTK PEVAAQERMV DDGNGKVEVW RIENLELVPV EYQWYGFFYG GDCYLVLYTY EVNGKPHHIL YIWQGRHASQ DELAASAYQA VEVD RQFDGA AVQVRVRMGT EPRHFMAIFK GKL VIFEGGT SRKGNAEPDP PVRLFQIHGN DKSNTKAVEV PAFASSLNSN DVFLLR TQAE HYLWY GKGSS GDERAMAKEL ASLLCDGSEN TVAEGQEP AE FWDLLGGKTP YANDKRLQQE ILDVQSRLFE CSNKTGQFVW TEITDFTQDD LNPTDVMLLD TWDQVFLWIG</p>

AEANATEKES ALATAQQYLH THPSGRDPDT PILIIKQGFE PPIFTGWFLA WDPNIWSAGK
TYEQLKEELG DAAAIMRITA DMKNATLSLN SNDSEPKYYP IAVLLKNQNNQ ELPEDVNPAK
KENYLSEQDF VSVFGITRGQ FAALPGWKQL QMKKEKGLF **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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 (p92),FUNCTION: Ca(2+)-regulated actin-binding protein which plays an important role in actin bundling (PubMed:29058690). 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. In podocytes, controls lamellipodia formation through the regulation of EGF-induced diacylglycerol generation by PLCE1 and

Target Details

	ARP2/3 complex assembly (PubMed:29058690). {ECO:0000269 PubMed:20393563, ECO:0000269 PubMed:29058690}.
Molecular Weight:	92.0 kDa
UniProt:	O75366
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