

Datasheet for ABIN7552359

ARPIN Protein (AA 1-226) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ARPIN
Protein Characteristics:	AA 1-226
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARPIN protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ARPIN Protein expressed in mammalian cells.
Sequence:	MSRIYHDGAL RNKAVQSVRL PGAWDPAAHQ GGNGVLLEGE LIDVSRHSIL DTHGRKERY VLYIRPSHIH RRKFDAGNE IEPNFSATRK VNTGFLMSSY KVEAKGDTDR LTPEALKGLV NKPELLALTE SLTPDHTVAF WMPESMEVM ELEGAGVRL KTRGDGPFLD SLAKLEAGTV TKCNFTGDGK TGASWTDNIM AQKCSKGAAA EIREQGDGAE DEEWDD 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ARPIN
Abstract:	ARPIN Products
Background:	Arpin (Arp2/3 inhibition protein),FUNCTION: Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2/3 complex, the function is competitive with nucleation promoting factors. Participates in an incoherent feedforward loop at the lamellipodium tip where it inhibits the ARP2/2 complex in response to Rac signaling and where Rac also stimulates actin polymerization through the WAVE complex. Involved in steering cell migration by controlling its directional persistence. {ECO:0000269 PubMed:24132237}.
Molecular Weight:	24.9 kDa
UniProt:	Q7Z6K5

Application Details

Application Notes:	We expect the protein to work for functional studies. 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