

Datasheet for ABIN7545386  
**ZFYVE27 Protein (AA 1-411) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZFYVE27
Protein Characteristics:	AA 1-411
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZFYVE27 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ZFYVE27 Protein expressed in mammalian cells.
Sequence:	<p>MQTSEREGSG PELSPSVMPE APLEPPFPPT KSPAFDLFNL VLSYKRLEIY LEPLKDAGDG  VRYLLRWQMP LCSLLTCLGL NVLFLTLNEG AWYSVGALMI SVPALLGYLQ EVCRARLPDS  ELMRKYHSV RQEDLQRGRL SRPEAVAEVK SFLIQLEAFL SRLCCTCEAA YRVLHWENPV  VSSQFYGALL GTVCMLYLLP LCWVLTLLNS TLFLGNVEFF RVVSEYRASL QQRMNPKQEE  HAFESPPPPD VGGKDGLMDS TPALTPTEDL TPGSVVEEAE AEPDEEFKDA IEETHLVVLE  DDEGAPCPAE DELALQDNGF LSKNEVLRSK VSRLTERLRK RYPTNNGFNC TGCSATFSVL  KKRRSCSNCG NSFCSRCCSF KVPKSSMGAT APEAQRETVF VCASCNQTLS K <b>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.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	ZFYVE27
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Alternative Name:	ZFYVE27 ( <a href="#">ZFYVE27 Products</a> )
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Background:	<p>Protrudin (Spastic paraplegia 33 protein) (Zinc finger FYVE domain-containing protein 27),FUNCTION: Key regulator of RAB11-dependent vesicular trafficking during neurite extension through polarized membrane transport (PubMed:17082457). Promotes axonal elongation and contributes to the establishment of neuronal cell polarity (By similarity). Involved in nerve growth factor-induced neurite formation in VAPA-dependent manner (PubMed:19289470). Contributes to both the formation and stabilization of the tubular ER network (PubMed:24668814). Involved in ER morphogenesis by regulating the sheet-to-tubule balance and possibly the density of tubule interconnections (PubMed:23969831). Acts as an adapter protein and facilitates the interaction of KIF5A with VAPA, VAPB, SURF4, RAB11A, RAB11B and RTN3 and the ZFYVE27-KIF5A complex contributes to the transport of these proteins in neurons. Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a KIF5A/B-dependent manner (PubMed:21976701). {ECO:0000250 UniProtKB:Q3TXX3, ECO:0000269 PubMed:17082457, ECO:0000269 PubMed:19289470, ECO:0000269 PubMed:21976701, ECO:0000269 PubMed:23969831,</p>
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## Target Details

	ECO:0000269 PubMed:24668814}.
Molecular Weight:	45.8 kDa
UniProt:	<a href="#">Q5T4F4</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a>

## 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