

Datasheet for ABIN7545117

VASH1 Protein (AA 1-365) (His tag)



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Overview

Quantity:	1 mg
Target:	VASH1
Protein Characteristics:	AA 1-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VASH1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat VASH1 Protein expressed in mammalian cells.
Sequence:	<p>MPGGKKVAGG GSSGATPTSA AATAPSGVRR LETSEG TSAQ RDEEPEEEGE EDLRDGGVPF</p> <p>FVNRGGLPVD EATWERMWKH VAKIHPDGEK VAQRIRGATD LPKIPIPSVP TFQPSTPVPE</p> <p>RLEAVQRYIR ELQYNHTGTQ FFEIKKSRPL TGLMDLAKEM TKEALPIKCL EAVILGIYLT</p> <p>NSMPTLERFP ISFKTYFSGN YFRHIVLGVN FAGRYGALGM SRREDLMYKP PAFRTLSELV</p> <p>LDFEAAYGRC WHVLKKVKLG QSVSHDPHSV EQIEWKHSVL DVERLGRDDF RKELERHARD</p> <p>MRLKIGKGTG PPSPTKDRKK DVSSPQRAQS SPHRRNSRSE RRPBGDKKTS EPKAMPDLNG</p> <p>YQIRV 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	VASH1
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Alternative Name:	VASH1 (VASH1 Products)
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Background:	<p>Tubuliny-Tyr carboxypeptidase 1 (EC 3.4.17.17) (Tubulin carboxypeptidase 1) (Tyrosine carboxypeptidase 1) (TTCP 1) (Vasohibin-1),FUNCTION: Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:29146869, PubMed:31270470, PubMed:31235910, PubMed:31171830, PubMed:31235911). Critical for spindle function and accurate chromosome segregation during mitosis since microtubule detyronisation regulates mitotic spindle length and positioning (PubMed:31171830). Acts as an angiogenesis inhibitor: inhibits migration, proliferation and network formation by endothelial cells as well as angiogenesis (PubMed:15467828, PubMed:16488400, PubMed:16707096, PubMed:19204325). This inhibitory effect is selective to endothelial cells as it does not affect the migration of smooth muscle cells or fibroblasts (PubMed:15467828, PubMed:16488400, PubMed:16707096).</p> <p>{ECO:0000269 PubMed:15467828, ECO:0000269 PubMed:16488400, ECO:0000269 PubMed:16707096, ECO:0000269 PubMed:19204325, ECO:0000269 PubMed:29146869, ECO:0000269 PubMed:31171830,</p>
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Target Details

	ECO:0000269 PubMed:31235910, ECO:0000269 PubMed:31235911, ECO:0000269 PubMed:31270470}.
Molecular Weight:	41.0 kDa
UniProt:	Q7L8A9

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