

Datasheet for ABIN7549363  
**VEPH1 Protein (AA 1-833) (His tag)**



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## Overview

Quantity:	1 mg
Target:	VEPH1
Protein Characteristics:	AA 1-833
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEPH1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant VEPH1 Protein expressed in mammalian cells.
Sequence:	<p>MHQLFRLVLG QKDLSRAGDL FSLDDSEIED SLTEALEQIK IISSSSDYQT NNNDQAVVEI</p> <p>CITRITTAIR ETESIEKHAK ALVGLWDSCL EHNLRPFGKD EDTPHAKIAS DIMSCILQNY</p> <p>NRPPVMALAI PIAVKFLHRG NKELCRNMSN YLSLAAITKA DLLADHTEVI VKSILQGNTM</p> <p>LLRVLPAYYE KQPQPINRHL TELLALMSQL EQPEQYHLLR LLHVAAKKKQ LEVVQKCIPF</p> <p>LIGHLKDSTH NDIILNIE IAVYEPVALN SFLPMLKEIG ERFPYLTGQM ARIYGAVGHV</p> <p>DEERARSCLT YLVSQLANME HSFHHILLLE IKSITDTFSS ILGPQSRDIF RMSNSFTAIA</p> <p>KLLTRQLENT KAGSGRRKIS TIEFPEKLE ETKLIVTENE DHEKLQVKIQ AFEDKINAGS</p> <p>NTPGSIRRYYS LGQVSKEERK NIRFNRSKSL AFHTMLTKGV GSDDGEDENR GDIPASISLS</p> <p>EIDPLGQGND KLPFKTDTER SQLGESSVSY PNIIHIDSEN LSETVKENSQ EETPETTASP</p> <p>IEYQDKLYLH LKKNLSKVKA YAMEIGKKIP VPDQCTIEDT VRSCVAKLFF TCSLKGHYCL</p> <p>YSKSSFILIS QEPQPWIQIM FLFQQSLFPE PLSIQSHSVQ FLRALWEKTQ AGGAHSFETA</p> <p>MMESTFPQQK DLDQVQLHLE EVRFFDVFGF SETAGAWQCF MCNNPEKATV VNQDGQPLIE</p>

## Product Details

GKLKEKQVRW KFIKRWKTRY FTLAGNQLLF QKGKSKDDPD DCPIELSKVQ SVKAVAKRRR  
DRSLPRAFEI FTDNKTYVFK AKDEKNAAEW LQCINVAQA AKERESREVT TYL **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.
- 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:** VEPH1

**Alternative Name:** VEPH1 ([VEPH1 Products](#))

**Background:** Ventricular zone-expressed PH domain-containing protein homolog 1 (Protein melted),FUNCTION: Interacts with TGF-beta receptor type-1 (TGFB1) and inhibits dissociation of activated SMAD2 from TGFB1, impeding its nuclear accumulation and resulting in impaired TGF-beta signaling. May also affect FOXO, Hippo and Wnt signaling.  
{ECO:0000269|PubMed:26039994}.

## Target Details

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Molecular Weight: 94.7 kDa

UniProt: [Q14D04](#)

## Application Details

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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

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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