

Datasheet for ABIN7555975  
**VAV2 Protein (AA 1-878) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	VAV2
Protein Characteristics:	AA 1-878
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VAV2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat VAV2 Protein expressed in mammalien cells.
Sequence:	MEQWRQCGRW LIDCKVLPPN HRVWPSAVV FDLAQALRDG VLLCQLLHNL SPGSIDLKDI NFRPQMSQFL CLKNIRTFK VCHDKFGLRN SELFDPFDLF DVRDFGKVIS AVSRLSLHSI AQNKGIRPFP SEETTENDDD VYRSLEELAD EHDLGEDIYD CVPCEGGDD IYEDIKVEV QQPMIRYMQK MGMTEDDKRN CCLLEIQETE AKYYRTLEDI EKNYMSPLRL VLSPADMAAV FINLEDLIKV HHSFLRAIDV SVMVGGSTLA KVFLDFKERL LIYGEYCISHM EHAQNTLNQL LASREDFRQK VEECTLVQD GKFKLQDLLV VPMQRVLYKH LLLKELLSHS AERPERQLK EALAMQDLA MYINEVKRDK ETLRKISEFQ SSIENLQVKL EEFGRPKIDG ELKVRISIVNH TKQDRYLFLF DKVVIVCKRK GYSYELKEII ELLFHKMTDD PMNNKDVKKS HGKMWSYGFY LIHLQGKQGF QFFCKTEDMK RKWMEQFEMA MSNIKPDKAN ANHHSFQMYT FDKTTNCKAC KMFLRGTFYQ GYMCTKCGVG AHKECLEVIP PCKFTSPADL DASGAGPGPK MVAMQNYHGN PAPPKPVLT FQTGDVLELL RGDPESPWWE GRLVQTRKSG YFPSSSVKPC PVDGRPPISR

## Product Details

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PPSREIDYTA YPWFAGNMER QQTDNLLKSH ASGTYLIRER PAEAERFAIS IKFNDEVKHI  
KVVEKDNWIH ITEAKKFDL LELVEYYQCH SLKESFKQLD TTLKYPYKSR ERSASRASSR  
SPASCASYNF SFLSPQGLSF ASQGSPAPFW SVFTPRVIGT AVARYNFAAR DMRELSLREG  
DVVRIYSRIG GDQGWWKGET NGRIGWFPST YVEEEGIQ **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.**

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### 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.

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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:

VAV2

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### Alternative Name:

VAV2 ([VAV2 Products](#))

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### Background:

Guanine nucleotide exchange factor VAV2 (VAV-2),FUNCTION: Guanine nucleotide exchange factor for the Rho family of Ras-related GTPases. Plays an important role in angiogenesis. Its recruitment by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity). {ECO:0000250}.

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### Molecular Weight:

101.3 kDa

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## Target Details

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UniProt: [P52735](#)

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Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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