

Datasheet for ABIN7555959
VAV3 Protein (AA 1-847) (His tag)



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Overview

Quantity:	1 mg
Target:	VAV3
Protein Characteristics:	AA 1-847
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VAV3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat VAV3 Protein expressed in mammalian cells.
Sequence:	<p>MEPWKQCAQW LIHCKVLPTN HRVTWDSAQV FDLAQLRDG VLLCQLLNNL RAHSINLKEI NLRPQMSQFL CLKNIRFTLT ACCETFGMRK SELFEAFDLF DVRDFGKVE TLSRLSRTPI ALATGIRPFP TEESINDEDI YKGLPDLIDE TLVEDEEDLY DCVYGEDEGG EYEDLMKAE EAHQPKCPEN DIRSCCLAEI KQTEEKYTET LESIEKYFMA PLKRFLTAAE FDSVFINIPE LVKLHRNLMQ EIHDSIVNKN DQNLVYQFIN YKERLVIYGQ YCSGVESAIS SLDYISKTKE DVKLEECES KRANNGKFTL RDLLVVPMPQR VLKYHLLLQE LVKHTTDPTE KANLKLALDA MKDLAQYVNE VKRDNETLRE IKQFQLSIEN LNQPVLLFGR PQGDGEIRIT TLDKHTKQER HIFLFDLAVI VCKRKGDNYE MKEIIDLQY KIANNPTTDK ENKKSYSYGFY LIHTQGQNGL EFYCKTKDLK KKWLEQFEMA LSNIRPDYAD SNFHDFKMHT FTRVTSCKVC QMLLRGTFYQ GYLCFKCGAR AHKECLGRVD NCGRVNSGEQ GTLKLPEKRT NGLRRTPKQV DPGLPKMQVI RNYSGTPPPA LHEGPPLQLQ AGDTVLLKKG DAHSLFWQGR NLASGEVGGFF PSDAVKPCPC</p>

Product Details

VPKPVGYSCQ PWYAGAMERL QAETELINRV NSTYLVHRHT KESGEYAISI KYNNEAKHIK
ILTRDGGFFHI AENRKFKSLM ELVEYYKHHS LKEGFRTLDT TLQFPYKEPE HSAGQRGNRA
GNSLLSPKVL GIAIARYDFC ARDMRELSLL KGDVVKIYTK MSANGWWRGE VNGRVGWFPS
TYVEEDE **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

VAV3

Alternative Name:

VAV3 ([VAV3 Products](#))

Background:

Guanine nucleotide exchange factor VAV3 (VAV-3),FUNCTION: Exchange factor for GTP-binding proteins RhoA, RhoG and, to a lesser extent, Rac1. Binds physically to the nucleotide-free states of those 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). May be important for integrin-mediated signaling, at least in some cell types. In osteoclasts, along with SYK tyrosine kinase, required for signaling through integrin alpha-v/beta-1 (ITAGV-ITGB1), a crucial event for osteoclast proper

Target Details

cytoskeleton organization and function. This signaling pathway involves RAC1, but not RHO, activation. Necessary for proper wound healing. In the course of wound healing, required for the phagocytotic cup formation preceding macrophage phagocytosis of apoptotic neutrophils. Responsible for integrin beta-2 (ITGB2)-mediated macrophage adhesion and, to a lesser extent, contributes to beta-3 (ITGB3)-mediated adhesion. Does not affect integrin beta-1 (ITGB1)-mediated adhesion (By similarity). {ECO:0000250}.

Molecular Weight: 97.8 kDa

UniProt: [Q9UKW4](#)

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

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