

Recombinant Human VAV1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VAV1-6085H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VAV1 MS Standard C13 and N15-labeled recombinant protein (NP_005419) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>This gene is a member of the VAV gene family. The VAV proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. The encoded protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. The encoded protein has been identified as the specific binding partner of Nef proteins from HIV-1. Coexpression and binding of these partners initiates profound morphological changes, cytoskeletal rearrangements and the JNK/SAPK signaling cascade, leading to increased levels of viral transcription and replication. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.</p>
Molecular Mass	98.1 kDa
AA Sequence	<p>MELWRQCTHWLIQCRVLPSPHRVTWDGAQVCELAQALRDGVLLCQLLNLLPHAIN LREVNLRPQMSQFLCLKNIRTFLLSTCCEKFGLKRSELFDFDLFDVQDFGKVIYTL LSWTPIAQNRGIMPFPTEEEESVGDEDIYSGLSQIDDTVEEDEDLYDCVENEEAEGD</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EIYEDLMRSEPVSMPPKMTEYDKRCCCLREIQQTEEKYTDTLGSIQQHFLKPLQRFL
 KPQDIEIIFINIEDLLRVHTHFLKEMKEALGTPGAANLYQVFIKYKERFLVYGRYCSQV
 ESASKHLDRVAAAREDVQMKLEECSSQRANNGRFTLRDLLMVPMQRVLKYHLLLQEL
 VKHTQEAMEKENLRLALDAMRDLAQCNEVNRDNETLRQITNFQLSIENLDQSLAHY
 GRPKIDGELKITSVERRSKMDRYAFLLDKALLICKRRGDSYDLKDFVNLHSFQVRDD
 SSGDRDNKKWSHMFLIEDQGAQQGYELFFKTRELKKKWMEQFEMAISNIYPENATA
 NGHDFQMFSFEETTSCACQMLLRGTFYQGYRCHRCRASAHKECLGRVPPCGRH
 GQDFPGTMKKDKLHRRRAQDKKRNELGLPKMEVFQEYYGLPPPPGAIGPFLRLNPG
 DIVELTKAEAEQNWWEGRNTSTNEIGWFPCNRVKPYVHGPPQDLSVHLWYAGPME
 RAGAESILANRSDGTFLVRQRVKDAAEFAISIKYNVEVKHIKIMTAEGLYRITEKKAFR
 GLTELVEFYQQNSLKDCFKSLDTTLQFPFKEPEKRTISRPAVGSTKYFGTAKARYDF
 CARDRSELSLKEGDIKILNKKGGQQGWWRGEIYGRVGVFPANYVEEDYSEYCTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [VAV1 vav 1 guanine nucleotide exchange factor \[Homo sapiens \(human\) \]](#)

Official Symbol [VAV1](#)

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Synonyms VAV1; vav 1 guanine nucleotide exchange factor; VAV, vav 1 oncogene; proto-oncogene vav; vav 1 oncogene; VAV;

Gene ID 7409

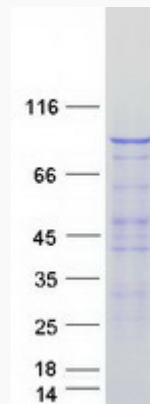
mRNA Refseq NM_005428

Protein Refseq NP_005419

MIM 164875

UniProt ID P15498

SDS-PAGE



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