

Recombinant Human VAV1 Protein, His tagged

Cat. No. VAV1-341H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VAV1 Protein (189-565 aa) with C-His tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	189-565 aa
Description	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.
Form	Sterile 20mM Tris, 0.2M NaCl, 30% Glycerol, 2mM DTT
Molecular Mass	47 kDa
AASequence	MGSSHHHHHHSSGLVPRGSHMGSMTEYDKRCCCLREIQQTEEKYDTLGSIIQQHF

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LKPLQRFLKPQDIEIIFINIEDLLRVHTHFLKEMKEALGTPGAANLYQVFIKYKERFLVY
 GRYCSQVESASKHLDRVAAAREADVQMKLEECSSQRANNGRFTLRDLLMVPMQRVLK
 YHLLQELVKHTQEAMEKENLRLALDAMRDLAQCVNEVKRDNETLRQITNFQLSIEN
 LDQSLAHYGRPKIDGELKITSVERRSKMDRYAFLLDKALLICKRRGDSYDLKDFVNLH
 SFQVRDDSSGDRDNKKWSHMFLIEDQGAQGYELFFKTRELKKKWMEQFEMAISNI
 YPENATANGHDFQMFSFEETTSCKACQMLLRGTFYQGYRCHRCRASAHKECLGRV
 PPCG

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.6 mg/mL by BCA

GENE INFORMATION

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

Official Symbol VAV1

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_001258206

Protein Refseq NP_001245135

MIM 164875

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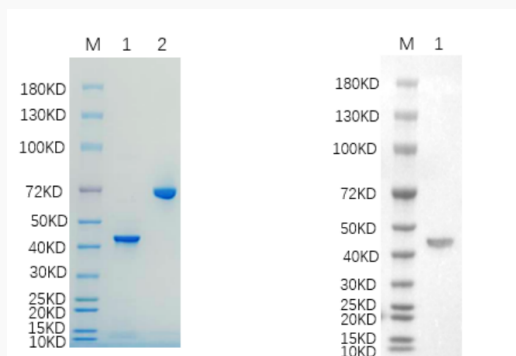
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UniProt ID

P15498

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified VAV1. 1. VAV1: 1 μ g 2. BSA: 1 μ g

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