

Recombinant Human VAV1 Protein, GST tagged

Cat. No. VAV1-021H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human VAV1 SH3 domain (589-662) was expressed in E. coli cells using an N-terminal GST tag. The gene accession number is NM_005428.4.
Species	Human
Source	E.coli
ProteinLength	589-662 aa
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>
Purity	> 90%
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller

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quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Storage Buffer

Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.

Concentration

0.2 µg/µL

Shipping

Dry ice

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_005428](#)

Protein Refseq

[NP_005419](#)

MIM

[164875](#)

UniProt ID

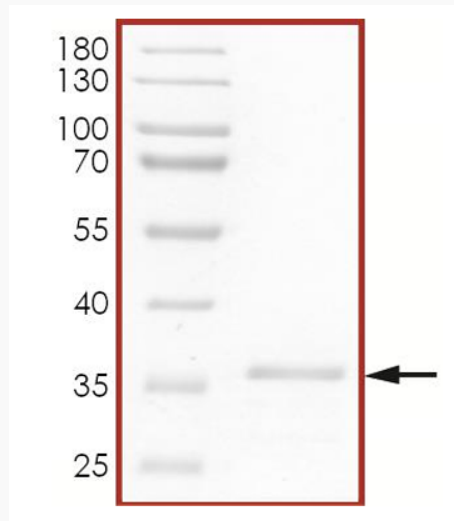
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SDS-PAGE



The purity of VAV1 (SH3 domain) was determined to be > 90% by densitometry.
Observed MW ~36 kDa. Calculated MW ~34 kDa.

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