# Recombinant Human VAV3 protein, His-tagged

**Cat. No.** VAV3-1385H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human VAV3 aa. (His183~Glu380 (Accession # Q9UKW4) fused with N-terminal His tag was produced in E. coli cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | His183~Glu380 |
| **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. This gene product acts as a GEF preferentially for RhoG, RhoA, and to a lesser extent, RAC1, and it associates maximally with the nucleotide-free states of these GTPases. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 24.7kDa. |
| **Endotoxin** | <1.0EU per 1μg (determined by the LAL method) |
| **Purity** | >95% |

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| **Characteristic** | The isoelectric point is 6.4. |
| **Applications** | SDS-PAGE; WB; ELISA; IP. |
| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage buffer** | Supplied as lyophilized form in 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative. |
| **Reconstitution** | Reconstitute in sterile ddH2O. |

## GENE INFORMATION

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| **Gene Name** | VAV3 vav guanine nucleotide exchange factor 3 [ Homo sapiens (human) ] |
| **Official Symbol** | VAV3 |
| **Synonyms** | VAV3; vav guanine nucleotide exchange factor 3; guanine nucleotide exchange factor VAV3; VAV-3; vav 3 guanine nucleotide exchange factor; vav 3 oncogene |
| **Gene ID** | 10451 |
| **mRNA Refseq** | NM_001079874.1 |

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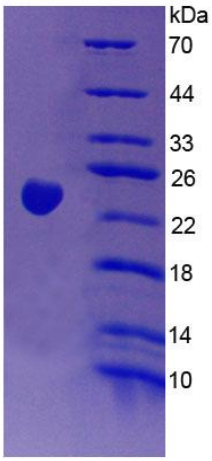
| **Protein Refseq** | NP_001073343.1 |
| **UniProt ID** | Q9UKW4 |
| **SDS-PAGE** |   15% SDS-PAGE |

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