

# Recombinant Full Length Human VAV3 Protein, C-Flag-tagged

Cat. No. VAV3-1909HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human VAV3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	97.6 kDa
<b>AA Sequence</b>	MEPWKQCAQWLIHCKVLPTNHRVTWDSAQVFDLAQTLRDGVLLCQLLNNLRAHSIN LKEINLRPQMSQFL CLKNIRFTLTACCETFGMRKSELF EAFDLFDVRDFGKVIETLSR LSRTPIALATGIRPFPT EESINDEDI YKGLPDLIDETLVEDEEDLYDCVYGEDEGGEVY EDLMKAAEEAHQPKCPENDIRSCCLAEIKQTEEKYTET LESIEKYFMAPLKRFLTAAEF DSVFINIPELVKLRNLMQEIHDSIVNKNDQONLYQVFINYKERLVIYGQ YCSGVESAIS SLDYISKTKEDVCLKLEEC SKRANNGKFTLRDLLVPMQRVLKYHLLLQELVKHTTDP

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TE KANLKLALDAMKDLAQYVNEVKRDNETLREIKQFQLSIENLNQPVLLFGRPQGDG  
 EIRITTLDKHTKQER HIFLFDLAVIVCKRKGDNYEMKEIIDLQQYKIANNPTTDKENKK  
 WSYGFYLIHTQGQNGLEFYCKTKDLK KKWLEQFEMALSNIRPDYADSNFHDFKMH  
 TFTRVTSCKVCQMLLRGTFYQGYLCFKCGARAHKECLGRVD NCGRVNSGEQGT  
 KLPEKRTNGLRRTPKQVDPGLPKMQVIRNYSGTPPPALHEGPSLHLQAGDTVLLK  
 G DAHSLFWQGRNLASGEVGGFFPSDAVKPCPCVPKPVDYSCQPWYAGAMERLQAE  
 TELINRVNSTYLVRHRT KESGEYAIKYNNEAKHIKILTRDGGFFHIAENRKFSLMEL  
 VEYYKHHSKKEGFRTLDTTLQFPYKEPE HSAGQRGNRAGNSLLSPKVLGIAIARYDF  
 CARDMRELSLLKGDVVKIYTKMSANGWWRGEVNGRVGWFPS TYVEEDE TRTRPL  
 EQKLISEEDLAANDILDYKDDDDKV

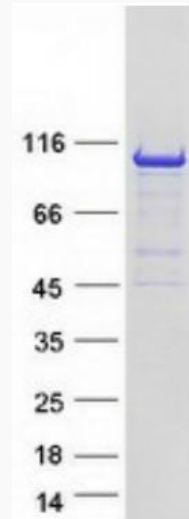
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	B cell receptor signaling pathway, Chemokine signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Regulation of actin cytoskeleton, T cell receptor signaling pathway

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**Full Length** Full L.**GENE INFORMATION****Gene Name** VAV3 vav guanine nucleotide exchange factor 3 [ Homo sapiens (human) ]**Official Symbol** VAV3**Synonyms** FLJ40431**Gene ID** 10451**mRNA Refseq** NM\_006113.5**Protein Refseq** NP\_006104.4**MIM** 605541**UniProt ID** Q9UKW4 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified VAV3 protein.

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