

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human VAV3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	97.6 kDa
AA Sequence	MEPWKQCAQWLIHCKVLPTNHRVTWDSAQVFDLAQTLRDGVLLCQLLNNLRAHSIN LKEINLRPQMSQFL CLKNIRFTLTACCETFGMRKSELFADFDFDVRDFGKVIETLSR LSRTPIALATGIRPFPTESINDEDI YKGLPDLIDETLVEDEEDLYDCVYGEDEGGEVY EDLMKAAEEAHQPKCPENDIRSCCLAEIKQTEEKYTET LESIEKYFMAPLKRFLTADEF DSVFINIPELVKLHRNLMQEIHDSIVNKNDQONLYQVFINYKERLVIYGQ YCSGVESAIS SLDYISKTKEDVKLKLEEC SKRANNGKFTLRDLLVPMQ RVLKYHLLLQELVKHTTDP

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TE KANLKLALDAMKDLAQYVNEVKRDNETLREIKQFQLSIENLNQPVLLFGRPQGDG
 EIRITTLDKHTKQER HIFLFDLAVIVCKRKGDNYEMKEIIDLQYKIANNPTTDKENKK
 WSYGFYLIHTQGQNGLEFYCKTKDLK KKWLEQFEMALSNIRPDYADSNFHDfKMH
 TFTRVTSCKVCQMLLRGTFYQGYLCFKCGARAHKECLGRVD NCGRVNSGEQGT
 KLPEKRTNGLRRTPKQVDPGLPKMQVIRNYSCTPPPALHEGPSLHLQAGDTVELLK
 G DAHSLFWQGRNLASGEVGFFPSDAVKPCPCVCPKVDYSCQPWYAGAMERLQAE
 TELINRVNSTYLVRHRT KESGEYAIKYNNEAKHIKILTRDGFFHIAENRKFKSLMEL
 VEYYKHHSLEKEGFRTLDTTLQFPYKEPE HSAGQGRGNRAGNSLLSPKVLGIAIARYDF
 CARDMRELSLLKGDVVKIYTKMSANGWWRGEVNGRVGWFPS TYVEEDE TRTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	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

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

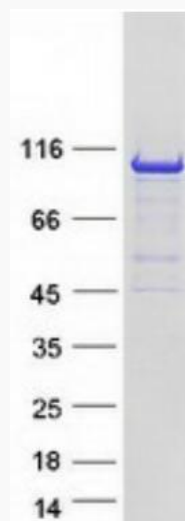
MIM 605541

UniProt ID Q9UKW4

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Coomassie blue staining of purified VAV3 protein.

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