

## Product datasheet for TP320550

### VAV3 (NM\_006113) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vav 3 guanine nucleotide exchange factor (VAV3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220550 representing NM_006113 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEPWKQCAQWLIHCKVLPTNHRVTWDSAQVFDLAQTLRDGVLLCQLLNNLRAHSINLKEINLRPQMSQ  
FL  
CLKNIRFTLTACCETFGMRKSELFEAFDLFDVDFGKVIETLSRLSRTPIALATGIRPFPTESINDEDI  
YKGLPDLIDETLVEDEEDLYDCVYGEDEGGEVYEDLMKAAEEAHQPKCPENDIRSCCLAEIKQTEEKYTET  
LESIEKYFMAPLKRFLTAAEFDSVFINIPELVKLRNLMQEIHDSIVNKNDQONLYQVFINYKERLVIYGQ  
YCSGVESAISLDYISKTKEDVKLLEECSKRANNGKFTLRDLLVPMQVRVLYHLLQLVHKHTTDPTE  
KANLKLALDAMKDLAQYVNEVKRDNETLREIKQFQLSIENLNQPVLLFGRPQGDGEIRITTLDKHTKQER  
HIFLFDLAVIVCKRKGDNYEMKEIIDLQQYKIANNPTTDKENKKWSYGFYLIHTQGGNGLEFYCKTKDLK  
KKWLEQFEMALSNIRPDYADSNFHFDFKMHTFTRVTSCVKVCQMLLRGTFYQGYLFCFKCGARAHKECLGRV  
D  
NCGRVNSGEQGTLKLPEKRTNGLRRTPKQVDPGLPKMQVIRNYSGTPPALHEGPSLHLQAGDTVELLK  
G  
DAHSLFWQGRNLASGEVGFPSDAVKPCPCVPKPVDYSCQPWYAGAMERLQAETELINRVNSTYLVRHR  
T  
KESGEYAIKYNNEAKHIKILTRDGGFFHIAENRKFSLMELVEYYKHHSLSKEGFRTLDTTLQFPYKEPE  
HSAGQRGNRAGNSLLSPKVLGIAIARYDFCARDMRELSLLKGDVVKIYTKMSANGWWRGEVNGRNVGWFP  
S  
TYVEEDE

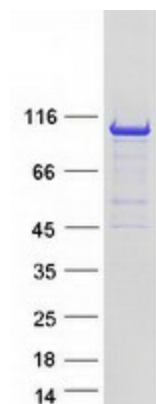
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	97.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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>RefSeq:</b>	<a href="#">NP_006104</a>
<b>Locus ID:</b>	10451
<b>UniProt ID:</b>	<a href="#">Q9UKW4</a>
<b>RefSeq Size:</b>	4768
<b>Cytogenetics:</b>	1p13.3
<b>RefSeq ORF:</b>	2541
<b>Summary:</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. [provided by RefSeq, Jul 2008]
<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

**Product images:**

Coomassie blue staining of purified VAV3 protein (Cat# TP320550). The protein was produced from HEK293T cells transfected with VAV3 cDNA clone (Cat# [RC220550]) using MegaTran 2.0 (Cat# [TT210002]).