

## Product datasheet for **TP316175M**

### VAV2 (NM\_003371) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vav 2 guanine nucleotide exchange factor (VAV2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216175 representing NM_003371 Red=Cloning site Green=Tags(s)
	<p>MEQWRQCGRWLIDCKVLPPNHRVWPSAVFDLAQALRDGVLLCQLLHNLSPGSIDLKDINFRPQMSQFL            CLKNIRTFKLVCHDKFGLRNSELDPPDFLDFVDFGKVISAVSRLSLHSIAQNGIRPPFPSEETTENDDD            VYRSLEELADEHDLGEDYDCVPCEDGGDDIYEDIKVEVQQPMKMGMTEDDKRNCCLLEIQETEAKYYR            TLEDIEKNYMSPLRLVLSPADMAAVFINLEDLIKVVHHSFLRAIDVSMVGGSTLAKVFLDFKERLLIYGE            YCSHMEHAQNTLNQLLASREDFRQKVEECTLKVQDGKFKLQDLLVPMQRVLKYHLLKELLSHAERPE            RQQLKEALEAMQDLAMYINEVKRDKETLRKISEFQSSIENLQVKLEEFGRPKIDGELKVRISVNHTKQDR            YLFLFDKVVIVCKRKGYSYELKEIIELLFHKMTDDPMNNKDVKKWSYGFYLIHLQGKQGFQFFCKTEDMK            RKWMEQFEMAMSNIPDKANANHHSFQMYTFDKTTNCKACKMFLRGTFYQGYMCTKCGVGAHKECLEVIP            PCKFTSPADLDASGAGPGPKMVAMQNYHGNPAPPGKPVLTFTQGDVLELLRGDPESPWWEGRLVQTRKSG            YFPSSSVKPCPVDGRPPISRPPSREIDYTAYPWFAGNMRQQTDNLLKSHASGTYLIRERPAEAERFAIS            IKFNDEVKHIKVEKDNWIHITEAKKFDLSLELVEYYQCHSLKESFKQLDTTLKYPYKSRERSASRASSR            SPVFTPRVIGTAVARYNFAARDMRELSLREGDVVRIYSRIGGDQGWVKGETNGRIGWFPSTYVEEEGIQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	96.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	In vitro kinase assay substrate (PMID: <a href="#">28712859</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<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_003362</a>
<b>Locus ID:</b>	7410
<b>UniProt ID:</b>	<a href="#">P52735</a>
<b>RefSeq Size:</b>	4707
<b>Cytogenetics:</b>	9q34.2
<b>RefSeq ORF:</b>	2517
<b>Synonyms:</b>	VAV-2
<b>Summary:</b>	VAV2 is the second member of the VAV guanine nucleotide exchange factor family of oncogenes. Unlike VAV1, which is expressed exclusively in hematopoietic cells, VAV2 transcripts were found in most tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 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 VAV2 protein (Cat# [TP316175]). The protein was produced from HEK293T cells transfected with VAV2 cDNA clone (Cat# [RC216175]) using MegaTran 2.0 (Cat# [TT210002]).