

Product datasheet for TP316175

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, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC216175 representing NM_003371
Red=Cloning site Green=Tags(s)

MEQWRQCGRWLIDCKVLPPNHRVWPSAVVFDLAQALRDGVLLCQLLHNLSPGSIDLKINFRPQMSQ
 FL
 CLKNIRTFLKVCHDKFGLRNSELPFDLFDVDFGKVISAVSRLSLHSIAQNKGIRPPFPSEETTENDDD
 VYRSLEELADEHDLGEDIYDCVPCEDGGDDIYEDIKVEVQQPMKMGMTEDDKRNCCLLEIQETEAKYYR
 TLEDIEKNYMSPLRLVLSPADMAAVFINLEDLIKVVHHSFLRAIDVSVMVGGSTLAKVFLDFKERLLIYGE
 YCSHMEHAQNTLNQLLASREDFRQKVEECTLKVQDQKFKLQDLLVWPMQRVLKYHLLLKELLSHAERPE
 RQQLEALEAMQDLAMYINEVKRDKETLRKISEFQSSIENLQVKLEEFGRPKIDGELKVRIVNHTKQDR
 YLFLFDKVVIVCKRKGYSELKEIIELLFHKMTDDPMNNKDVKKWSYGFYLIHLQKQGFQFFCKTEDMK
 RKWMEQFEMAMSNIPDKANANHHSFQMYTFDKTTNCKACKMFLRGTFYQGYMCTKCGVGAHKECLE
 VIP
 PCKFTSPADLDASGAGPGPKMVAMQNYHGPNAPPKPVLTFTQGDVLELLRGDPESPWWEGRLVQTRK
 SG
 YFPSSSVKPCPVDGRPPISRPPSREIDYTAYPWFAGNMRQQTDNLLKSHASGTYLIRERPAEAERFAIS
 IKFNDEVKHIKVVKEDNWIHITEAKKFDLSLELVEYYQCHSLKESFKQLDITLLKYPYKSRERSASRASSR
 SPVFTPRVIGTAVARYNFAARDMRELSLREGDVRIYSRIGGDQGWVKGETNGRIGWFPSTYVEEEGIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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



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Bioactivity:	In vitro kinase assay substrate (PMID: 28712859)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003362
Locus ID:	7410
UniProt ID:	P52735
RefSeq Size:	4707
Cytogenetics:	9q34.2
RefSeq ORF:	2517
Synonyms:	VAV-2
Summary:	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]
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

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]).