

Product datasheet for TP316175

OriGene Technologies, Inc.

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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 >RC216175 representing NM_003371

or AA Sequence: Red=Cloning site Green=Tags(s)

MEQWRQCGRWLIDCKVLPPNHRVVWPSAVVFDLAQALRDGVLLCQLLHNLSPGSIDLKDINFRPQMSQ

FL

CLKNIRTFLKVCHDKFGLRNSELFDPFDLFDVRDFGKVISAVSRLSLHSIAQNKGIRPFPSEETTENDDD VYRSLEELADEHDLGEDIYDCVPCEDGGDDIYEDIIKVEVQQPMKMGMTEDDKRNCCLLEIQETEAKYYR TLEDIEKNYMSPLRLVLSPADMAAVFINLEDLIKVHHSFLRAIDVSVMVGGSTLAKVFLDFKERLLIYGE YCSHMEHAQNTLNQLLASREDFRQKVEECTLKVQDGKFKLQDLLVVPMQRVLKYHLLLKELLSHSAERPE RQQLKEALEAMQDLAMYINEVKRDKETLRKISEFQSSIENLQVKLEEFGRPKIDGELKVRSIVNHTKQDR YLFLFDKVVIVCKRKGYSYELKEIIELLFHKMTDDPMNNKDVKKWSYGFYLIHLQGKQGFQFFCKTEDMK RKWMEQFEMAMSNIKPDKANANHHSFQMYTFDKTTNCKACKMFLRGTFYQGYMCTKCGVGAHKECLE

VIΡ

PCKFTSPADLDASGAGPGPKMVAMQNYHGNPAPPGKPVLTFQTGDVLELLRGDPESPWWEGRLVQTRK

SG

YFPSSSVKPCPVDGRPPISRPPSREIDYTAYPWFAGNMERQQTDNLLKSHASGTYLIRERPAEAERFAIS IKFNDEVKHIKVVEKDNWIHITEAKKFDSLLELVEYYQCHSLKESFKQLDTTLKYPYKSRERSASRASSR SPVFTPRVIGTAVARYNFAARDMRELSLREGDVVRIYSRIGGDQGWWKGETNGRIGWFPSTYVEEEGIQ

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.

Store at -80°C. Storage:

Stable for 12 months from the date of receipt of the product under proper storage and Stability:

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 003362

7410 Locus ID: **UniProt ID:** P52735 4707 RefSeg Size: Cytogenetics: 9q34.2 RefSeq ORF: 2517

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

VAV-2

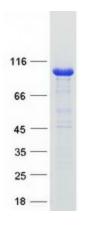
Protein Pathways: B cell receptor signaling pathway, Chemokine signaling pathway, Fc epsilon RI signaling

> 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:

Synonyms:



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]).