

Product datasheet for **RR217259**

Vav3 (NM_001191714) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vav3 (NM_001191714) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vav3
Synonyms:	RGD1565941
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR217259 representing NM_001191714
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCGTGGAAGCAGTGCCTCAGTGGCTCATCCACTGCAAAGTGCTGCCGCCAACCCGGGTGA
 CCTGGGACTCGGCGCAGGTGTTTCGACCTGGCGCAGACCCTCCCGATGGAGTCTGCTCTGCCAGCTGCT
 CAACAACCTGCGGCCACACTCCATCAATCTGAAGGAGATCAACCTGAGACCCAGATGTCCAGTTTCTC
 TGTCTGAAGAATATCCGGACATTTCTGGCCGCTGCTGTGACACGTTTCGGAATGAAGAAAAGTGAGCTTT
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 AACACCAATAGCATTGGCCACAGGAATCAGGCCATTCCCACGGAAGAAAAGTGTAATGATGAAGACATC
 TACAAAGGCCCTCCTGACCTGATAGATGAAACCCGTGTGGAGGACGAAGAAGACCTCTATGACTGTGTGT
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 ACGTATGTGGAAGAAGACGAG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217259 representing NM_001191714

Red=Cloning site Green=Tags(s)

MEPWKQCAQWLIHCKVLPANHRVTWDSAQVFDLAQTLRDGVLLCQLLNLRPHSINLKEINLRPQMSQFL
CLKNIRTFLAACCDTFGMKKSELFADFDFVDFGKVIETLSRLSRTPIALATGIRPFPTTEESVNDEDI
YKGLPDLIDETRVEDEEDLYDCVYGEDEGGEVYEDLMKAEAAHQAKSQENDIRSCCLAEIRQTEEKYTET
LESIEKYFMAPLKRFLTAAEFDSVFINIPDLVKVHRSLMQEIHDSIVNKDDHNLVQVFINYKERLVIYGO
YCSGVESAISSLDYISKTKEDVRLKLEECSTRANNGKFTLRDLLVPMQVRVLYHLLQLVXHTHDPME
KSNLKLALDAMKDLAQYVNEVKRDNELREIKQFQLSIENLNQPVLLFGRPQGDGEIRITTLDKHTKQER
HIFLFDLAVIVCKRKGDNYEMKEIIDLQQYKIANNPTTDKENKWSYGFYLIHTQQNGLEFYCKTKDLK
KKWLEQFEMALSINIRPDYADSNFHDFKMHTFTRVTSCRVCQMLLRGTFYQGYLCFKCGAKAHKECLGRVD
NCGRVNSVEQGPFPPEKRTNGLRRASRQVDPGLPKMRVIRNYTGTPPALHEGPPLHIQAGDTELLRG
EAHTVFWQGRNLASGEVGFPSDAVKPSPCVKPVVDYSCQPWYAGPMERLQAETELINRVNSTYL VRLRT
KESGEYAI SIKYNNEAKHIKILTRDGFHIAENRKFKSLMELVEYKHHSLKEGFRTLDITLQFPYKEPE
HASGQRGNRTGNSLLSPKVLGIAIARYDFCARDMRELSLLKGMVKIYTKMSANGWWRGEVNGRVGWFP
TYVEEDE

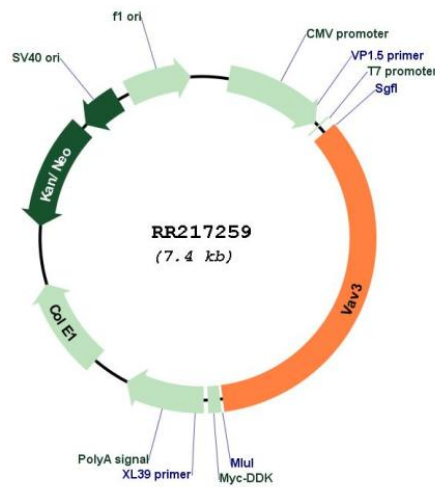
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001191714
ORF Size:	2541 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001191714.1 , NP_001178643.1
RefSeq Size:	4642 bp
RefSeq ORF:	2544 bp
Locus ID:	295378
Cytogenetics:	2q41
MW:	98 kDa