

Product datasheet for **RR209511**

Vstm4 (NM_001029920) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vstm4 (NM_001029920) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vstm4
Synonyms: RGD1310423
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209511 representing NM_001029920
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGCTGCGGCTCCTAGCGCTGGCGGTGGCTGTACTGCTGGGCTGGTCCCAGAGATATGTGGTGCTC
TCAATGTCACGGTGTCCCAGGACCTGTGGTGGACTACTTGAAGGGGAAAATGCCACTCTCCTTGCCA
TGTCTCCAGAAGAGACGAAGGACAGCCTGCTGGCCGTGCGTGTCTTTGCCCCGATGGCTCTCAG
GAGGCCTTGATGGTGAAGATGACAAAGCTTCGGGTGATTCACTACTATGGAACTTCAGCCGATTGCCA
ACCAACAGAGGCTGCGCCTGCTCGAGGAGCGTCGAGGGGTGCTGTACAAGCTGTCTGCTGATGCTCCG
GCCGGCGGATCAAGGCGAGTATGTCTGCAAAGTGAAGAAATCAGCAAATCCGGAACAAGTGGACAGCC
TGGTCCAATGGCTCCTCGCCACAGAAATGAGAGTGATCTCCCTCAAGGCTGATGAAGATTCATCGTTTG
AGAAAAAGAAGGTGACTTGGGCATTTTTGAAGATCTCTATGTGTACGCTGTCTTGTGTGCTGCGTGGG
GATCCTCAGCGTCTGCTCTTACCCTGGTCATTGCTGGCAGTCTGTGTTTACAAGAGGAAATCAAGA
GTGAGACATTATTTGGTAAAATGCCCCAGAACAGCTCAGGAGAGACTGTCACCAGTGTGACCAGCTTAT
CCCCACTGCAGCCACAGAAGGTAGGAGGCATAAGAAGAAGGCAGATGTTCCACCTGCGGTCCTGCCAA
AGCACCAGATAGCCACCCTTTCCACAAACCAAAGCTGCTGAAACCACAGAGGAAAAGTCAACCTGCCCAAG
ATCACCGAGGAAAATTTGACCTACGCCGAGCTGGAGCTGATCAAACCACACCAGGCTGCCAAAGGCATCC
CCACCAGCACCGTGTATGCACAGATCCTCTTCGAGGAGAACAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209511 representing NM_001029920
Red=Cloning site Green=Tags(s)

MRLRLALAVAVLLGLVPEICGALNVTVSPGPVVDYLEGENATLLCHVSQKRRKDSLLAVRWFFAPDGSQ
 EALMVKMTKLRVIQYYGNFSRIANQQLRLLLEERRGVL YKLSVLMRPADQGQYVCKVQEISKLRNKWTA
 WSNSSATEMRVLSLKADEDSSFEKKKVTWAFFEDLYVYAVLVCCVGILSVLLFTLVIAWQSVFHKRKS
 VRHYLVKCPQNSSGETVTSVTSLSPLQPQKRRRHKKKADVPPAVPAKAPIATTFHKPKLLKPKRKVTLPK
 ITEENLYAELELIKPHQAAKGIPSTVYAQILFEENKL

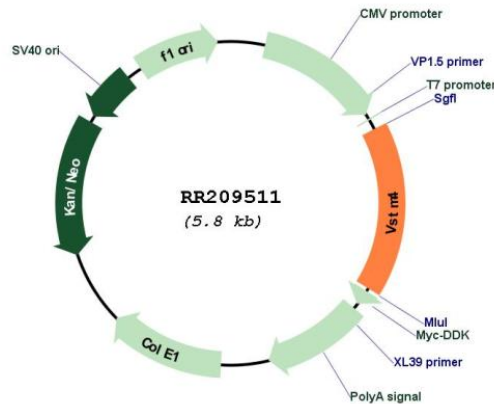
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001029920

ORF Size: 957 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_001029920.1 , NP_001025091.1
RefSeq Size:	2163 bp
RefSeq ORF:	960 bp
Locus ID:	361112
Cytogenetics:	16p16
MW:	36 kDa