

Product datasheet for **RR203664**

Vmp1 (NM_138839) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmp1 (NM_138839) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vmp1
Synonyms:	Tmem49
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203664 representing NM_138839 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGAGAATGGAACAAATTGTGACCAGAGACGTGGAGCAATGAGTAAGGAACAGCATAATGGGAGTT
TCACAGACCCCTTTCAGTAAATGAGAAGAAGAGAAGGGATCGGGAAGAAAGACAGAATATCGTCCTGTG
GAGACAGCCACTATTACCTTGAGTATTTCTCTCTGAAACTCTGTAGTTTTGAAGGAATGGACCTCA
AAATTGTGGCATCGTCAAAGCATGGTGGTGCCTTTTTCTGCTGCTTGCTGCGCTTGTAGCTACGTATT
ATGTGGAAGGAGCGCACCAGCAGTATGTGCAGCGGATAGAGAAGCAGTTTCTTTTATATGCTACTGGAT
AGGCTGGGGATTCTGTCTCTGTTGGTCTTGGAACAGGATTGCACACCTTTCTGCTTTATCTGGGCCCA
CATATAGCTTCAGTTACATTAGCTGCTTATGAATGCAATTCGGTTAATTTCCCTGAGCCACCCTATCCTG
ACCAGATTATCTGCCAGACGAAGAAGGCACTGAAGGAGCCATATCTTTGTGGAGTATCATCTCAAAAGT
TAGAATTGAAGCCTGCATGTGGGCATTGGGACAGCAATTGGGGAGCTGCCTCCATTTTCATGGCCAGG
GCAGCTCGCCTCTCAGGTGCTGAACCAGATGATGAAGAGTATCAGGAATTTGAAGAAATGCTGGAACAGC
CAGAGACTGCACAAGACTTTGCATCAGCAGCTAACTGGCAGTTCAAAAAGTACAGAAAGTTGGATT
TTTTGGAATTTTGGCCTGTGCTTCTATTCCAAATCCCCTGTTTCGACCTGGCTGGAATAACATGTGGACAC
TTCTTGTACCTTTTTGGACCTTCTTGGTGAACCCCTGATTGGAAGCAATCATTAAAATGCATATCC
AGAAAATCTTTGTATAGTAACTTTTCAGCAAACACATCGTGGAGCAGATGGTGGCTTTTCATTGGGGCTGT
ACCCGGCATAGGTCCGTCTCTGCAGAAGCCTTTTCAGGAATACCTGGAGGCCAGCGGCAGAAGCTCCAC
CATAGAAGCGAAGCAGGCACAGCGCAGGGAGAAAAGTGGTTATCCTGGACGTTTGAAGCTGGTCTGTG
CCATGGTGTGTTACTTTATCCTGTCTATCATTAACTCCATGGCACAAAGCTATGCCAAACGAATCCAGCA
GCGCTTGAACCTCAGAGGAGAAGACTAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203664 representing NM_138839
 Red=Cloning site Green=Tags(s)

MAENGTNCDQRRGAMSKEQHNGSFTDPSSVNEKKRRDREERQNI VLRQPLITLQYFSLETLVVLKEWTS
 KLWHRQSMVVSFFLLLAALVATYYVEGAHQYVQRIEKQFLLYAYWIGLILSSVGLGTGLHTFLLYLG
 HIASVTLAAYECNSVNFPEPPYPDQIICPDEEGTEGAIISLWSIIISKVRIEACMWGIGTAIGELPPYF
 MAR AARLSGAEPDDEEYQEFEEMLHAETAQDFASRAKLAVQKLVQKVGFFGILACASIPNPLFDLAGITCGH
 FLVPFWTFFGATLIGKAIKMHIQKIFVIYVTFSKHIVEQMVAFIGAVPGIGPSLQKPFQEYLEAQRQKLH
 HRSEAGTAQGENWLSWTFEKL VVAMVCYFILSIINSMAQSYAKRIQQRLNSEEKTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

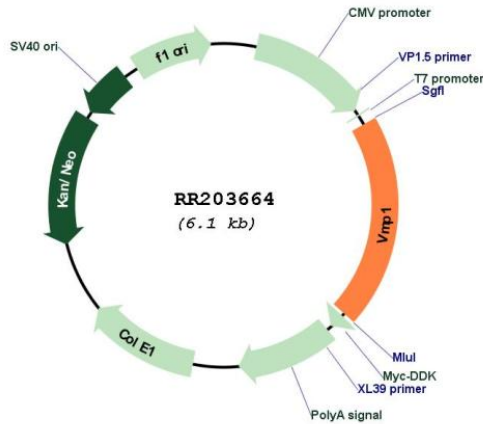
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_138839

ORF Size:	1218 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_138839.2 , NP_620194.1
RefSeq Size:	1993 bp
RefSeq ORF:	1221 bp
Locus ID:	192129
UniProt ID:	Q91ZQ0
Cytogenetics:	10q26
MW:	45.9 kDa
Gene Summary:	stress-induced gene; may promote formation of intracellular vacuoles followed by cell death [RGD, Feb 2006]