

Product datasheet for **RR202838**

Vom1r62 (NM_001008943) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vom1r62 (NM_001008943) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vom1r62
Synonyms: V1rk2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR202838 representing NM_001008943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATTCCAAGTGATCTAATTACTGGATTCTCTCCTGTTAGAACTTTCATTGGACTCATGGAACT
 TGCTGCTTTTAATTATACATGTACATCTTCTTAATTCAGCCTCGTATGAAGAAGCCCGTAGATATGAT
 CTTACACATCTAATGCTTGTCAATGTTTTGAGCATTGTCTTTAGGCTGATACCAGATGCATGGCCTCC
 TTTGCAGTCAGACTCCCTTTCCACGACGTTGCATGTAAGGCAGTTTTATGCATACAGTGTACTAGGG
 GCCTTTCCATTTGCACTACTTCTACTGAGTTTATTTCAAGCCATGACTATTCGTTCTAACCATTCCAA
 GTGGGCATGGCTTAAATCCAAGCTTGAGTCATACATTTTTCCATCACTCCTTTCATCTGGATCATCAAC
 ACATTTATCTATTTTCCATGCTTCAAAACATAAAGGGACGAATCAACTCACTGTTGTGGCTTCTAGGT
 ATTCCAGATATACTGCCAAAGTAGCCAGGTTTCGCTATCACTCCACCATGTCAATTGTCACCTTCACTAAT
 GATTAGAGACATCCTGTTTGTGCTTCTCATGATGTGGTCCAGCCTCTACCTGGTGAATGTCCTGTTGAGA
 CACAACAGGAGAACACGGCATGTCCACAGTTTCAGTGTGTCTCTCCATGCATCTTCTGAAAAGAAAGCCA
 CCCACAGCATCCTTCTGCTTGTGGGTTTCTTCAATTTTTCTATTGCTCAAATACTTTTGTACCTTCTA
 TTTGTTTTATAGACCTAAGAACAGCCCACTATTGGATATGATTACTAGAGTTTTATCTTTAGGCTACCCA
 ATCATCTGCCCTTATGTTCTGATGAACAATAGGAAAATTTTCCAAATTCATTTTCTCCATCAAACCT
 CTGAATGTATCTTTTCTACAAGAGGATGCTATGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202838 representing NM_001008943
Red=Cloning site Green=Tags(s)

MIPSDLITGFLLLLETFIGLMGNLLLLILYMYIFLIQPRMKPVDMIFFTHLMLVNVLSIVFRLIPDVMA
 FAVRLPFHDVACKAVLYAYSVTRGLSICITTSLLSLFQAMTIRSNHSHKAWLKSKLESYIFPSLLFIWIIN
 TFIYFPLQNIKGRINFVVASRYSQIYQSSQVRYHSTMSIVTSLMIRDILFVLLMMWSSLYLVNVLFR
 HNRRTRHVHSFVSLHASSEKKATHSILLLVGFFIFFYCSNTFVTFYLFYRPNKSPLLDMITRVLSLGYP
 IICPYVLMNNRKIISKFIFSLNSECIFSTRGCYG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008943

ORF Size: 945 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:

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_001008943.1](#), [NP_001008943.1](#)

RefSeq Size: 948 bp

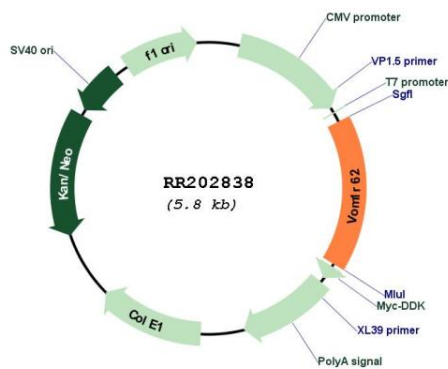
RefSeq ORF: 948 bp

Locus ID: 494289

Cytogenetics: 1q21

MW: 36.6 kDa

Product images:



Circular map for RR202838