

Product datasheet for **RR202662**

Vax2 (NM_022637) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Vax2 (NM_022637) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Vax2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR202662 representing NM_022637
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGATGGGGGCGGGAGCGGGACCGGCCCAAGCGCCGGGAGGAGCCTGGTGGCCGACGCGGT
 GTCGTGGGGAGCACCGCGGAGCGGAAGATTTGCGTGCTGACACGGGTAGCACGAGTCCGAGGGAGATTGC
 TGGGACCTCCGCCTCCAGCCCTGCAGGCTCCAGGGAGAGCGGGGACAGCGACGGACAACAGGCGCTC
 GGTGAGACGGACCACTGCCGCCGATCCTGGTACGAGATGCCAAGGGGACCATTCCGGAAATTTGCTCTGC
 CCAAGGGCCTGGACCTCGACCGACCAAGAGGACCCGTACCTCCTTACAGCAGAACAGCTGTATCGTTT
 GGAGATGGAGTTCCAGCGCTGCCAGTATGTGGTGGGCCGAGAGCGCACAGAGCTGGCCCGCAGCTGAAC
 CTCTCTGAGACTCAGGTGAAGTCTGGTTCCAGAACC CGCACCAAGCAGAAGAAGGACCAGAGCAGAG
 ACCTGGAAAAGCGGGCATCCTCCTCCGCTTCGAGGCCTTTGCCACCTCCAACGTTCTGCGACTTCTGGA
 ACAGGGCCGGCTGCTCTCCGTGCCAGAGCTCCAGCCTCCTAGCACTGAGCCCTGGCCTGCCAGGTCTA
 ACCGCTGGCCACAGGGGACCTCCTTGGGTGACCCAGGAACTCCTCCAACGCCTCAATCCAATGCCCT
 CAGCCTCAGCGTCGTCCCTCTGCCACCCCTCTGCCAGCCGTCTGCTTTTCCGAGCTCCACTCCTGGA
 CTTGCCCGCCAGCTACAACTGGGTCTCGGCTTTTGAGCCCTACAGCAGACTAGAACAACAGAAAGTA
 GGCAGCCCTGGCCAAAGTGACAAGAAAGCTGACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202662 representing NM_022637
 Red=Cloning site Green=Tags(s)

MGDGAERDRGPKRREEPGGRSGCRGEHRGAEDLRADTGSTSPREIAGTSASSPAGSRESGGDSGGQAL
 GETDHCRRILVRDAKGTIREIVLPKGLDLDRPKRTRTSFTAQLYRLEMEFQRCQYVVGRETELARQLN
 LSETQVKVWFQNRRTKQKKDQSRDLEKRASSSAFEAFATSNVLRLLLEQGRLLSVPRAPSLALSPGLPGL
 TAGHRGTS LGDPRNSSQRLNPMPSASASSPLPPPLPAVCF SAAPLLDLPASYKLGSSAFEPYSRLEQQKV
 GSPGQSDKKADI

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_022637

ORF Size: 876 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_022637.1](#), [NP_072159.1](#)

RefSeq Size: 879 bp

RefSeq ORF: 879 bp

Locus ID: 64572

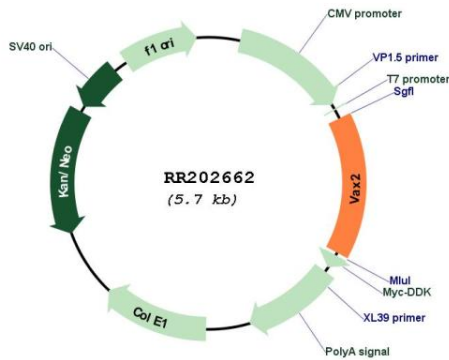
UniProt ID: [Q9JLZ9](#)

Cytogenetics: 4q34

MW: 31.7 kDa

Gene Summary: mouse homolog is a transcription factor involved in development of the ventral optic vesicle [RGD, Feb 2006]

Product images:



Circular map for RR202662