

Product datasheet for **RR211426**

Vsx1 (NM_001109546) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Vsx1 (NM_001109546) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Vsx1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR211426 representing NM_001109546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGGCCGGGATGGGCTTTTGGATGGGCGTTCCAGGAGTAGAGCCCTGGCGCCAGGCTGTCCCCCA
 CCGGCTCTCGCCTTCGAAGCTTCGCCATCAACGACCTGCTGGGATTGGAGGCAGACCTGCCGACTCCAGC
 GGAGCCTGGGCTAAGATCCAACGTGAAGCTCCAGCGGAGGCAACAGGGCCAGGACCGGGGCCGGGACTC
 TCGCGCACCTGCCCTGCTCGCGGAGCTCTCCCGCTGGGCCTCCTCTGCGGCTTCGGGGCACAGC
 CCCCTTCGCGCACCGCCGCTCGCGCACGCTGCCTACTGCTCGCGGATCTGCGGCTTCTGCCGCTGCAGG
 ACCCGAGCCTGCTGTGCGCCAGAGCCCGGTCCACCCGCCGCTGCGCTCGGCAGCCAGCAGCGCAGTGAG
 AACATCTCCACGTCGGATGGGGACAGTCCATCTGAAGAAAAGAATGACCCGAAGATGTCCCTTACCCTGG
 GCAAGAGGAAGAAGCGGAGACACAGGACGGTTTTCACTGCCATCAACTAGAAGAACTGGAGAAGGCGTT
 TGGCGAGGCCACTACCCTGATGTGTATGCTCGGGAGATGCTGGCTGTGAAAACAGAGCTCCCGGAAGAC
 CGGATACAGGTCTGGTTCCAGAACCGGAGGGCCAAGTGGCGGAAGCGAGAGAAGCGCTGGGGTGGCAGCA
 GTGTGATGGCTGAGTACGGGCTCTACGGAGCCATGGTGCCTCACTGCATTCCGTTGCCGACTCCGTGCT
 CAACTCTGCAGACAGCCTGCAGGGCTCCTGTGCACCCTGGCTTCTGGGGATGCATAAAAAGTCTACAGAG
 ATGAGGAAACCTGAAAGTGAAGAGAAGTTGGCAGGACTCTGGGAGTTGGACCATCTCAGAAAGGGTGCTA
 AGAAGGATGAGGATGGACCTGAGAGGGGACCAGGCAAAGCGAGCCTGAACCCTGAGGGCAGCTTGGGAAGA
 TGTGGCCATTGACCTGTCCAGCTCTCCAGGCAGGAGACTAAGAAAATGCCCTCAGGGTCCAGTACTCAG
 GGATGTACCCACGCCACGGGCCGAGGTGCTCCAGCCCCACAGGTGGGAGCCTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

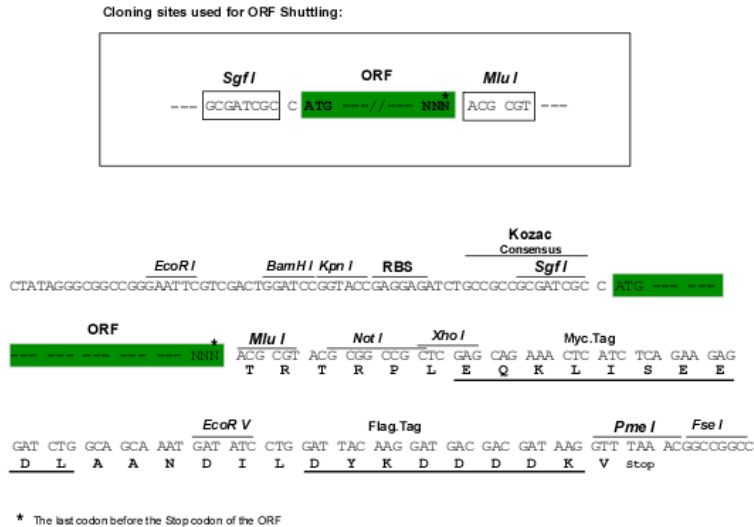
Protein Sequence: >RR211426 representing NM_001109546
Red=Cloning site Green=Tags(s)

MTGRDGLLDGRSRSRALAPGCPPTGSRLRSFAINDLLGLEADLPTPAEPGLRSNCEAPAEATGPGPGPL
 CGTCPARGALPLGLLLCGFGAQPSSATAARARCLLLADLRLPPAGPEPAVAQSPVHPPPALGSQQRSE
 NI STSDGDSPSEEKNDPKMSL TLGKRKRKRHRVFTAHQLEELEKAFGEAHYPDVYAREMLAVKTELPED
 RIQVWFQNRRAKWRKREKRWGGSSVMAEYGLYGAMVRHCIPLPDSVLNSADSLQGSCAPWLLGMHKKSTE
 MRKPESEEKLAGLWELDHLRKGAKKDEDGPERGPGKASLNPEGSLEDVAIDLSSSSRQETKKMPSGSSTQ
 GCTHAPGPQVLQPPQVGAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001109546

ORF Size: 1107 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_001109546.1](#), [NP_001103016.1](#)

RefSeq Size: 2814 bp

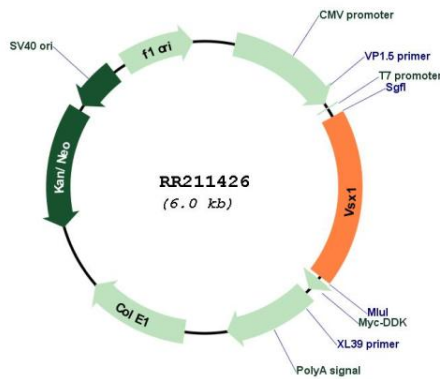
RefSeq ORF: 1110 bp

Locus ID: 689704

Cytogenetics: 3q41

MW: 39.5 kDa

Product images:



Circular map for RR211426