

Product datasheet for **RR211414**

Vgll2 (NM_001107630) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Vgll2 (NM_001107630) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Vgll2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR211414 representing NM_001107630
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTGTCTGGATGTTATGTACCAGGTCTACGGTCCCCCGCAGCCTTATTTACAGCCGCCTACACTC
 CCTACCACCAGAACTAGCCTACTACTCGAAAATGCAGGAAGCCCAAGAGTGCAGCGCTAGCCCCCTGCAG
 CAGTGCCAGCGGGAGCTCCACCTTCTCCAACCAACCCAGCCAGTGTCAAAGAAGAGGAGGGCAGCCCA
 GAGAAAGAGCGCCACCAGGAGCCGAGTATCAACTCCAGATGTGTCTTCCACTACTTCCAGGGGG
 ACATCAGCTCTGTGGTGGACGAACATTTTAGTAGGGCCCTTAGCCAACCTAGCAGTACACCCCAAGCTG
 TTCCAGCAGCAAAACACACAGAAGTTCTGGACCTGGAGAGCAGAAGGCACCTTCCCGATGAACCAAGCGC
 AGCTTCCCCGCCTCCTTCTGGAACAGCGCTTACCAGGCGCCCGTCCCGCGCCCTGGGCAGTCTCTGG
 CCGCCGCGCACTCGGAGCTGCCCTTTGCCACCGACCCCTACACTCCCGCCGCTCTGCACGGCCACCTGCA
 CCAGGGCGCGGCCGACTGGCACCACGCGCACCCGACCAACGCGCACCCGCATCATCCCTACGCGCTGGGC
 GGCGCCCTAGGAGCGCAAGCCTCTGCCTACCCGCGGCCAGCAGTGCACGAGGTCTACGCGCCCACTTGC
 ACCCGCGCTATGGGCCGCTGATAATGCCCGCAGCCTCTGGCCGCCCGGGCGCCTGGCCCTGCTTCAAG
 GCCGCTCCCGGAGCCCTCCCTGTGAGCTAGCCGCAAGGGCGAGCCGGCGGGCGCGCTGGGCTGCC
 CCGGGGGACCTTCGTGAGCCCGCGGGGACGTGGCCAGAGCCTGGGTCTCAGCGTGGACTCAGGTA
 AGCGGAGGAGGGAGTGCAGTCTCCCTCTGCCCTCCGGCACTGTACCCGACTCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR211414 representing NM_001107630
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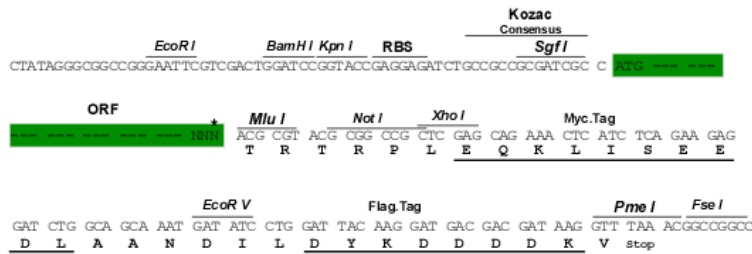
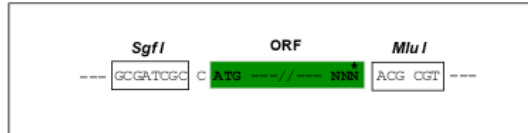
MSCLDVMYQVYGPPQPYFTAAYTPYHQKLAYYSKMQEAQEQCSASPCSSASGSSTFSNQTPASVKEEEGSP
 EKERPPEAEYINSRCLFTYFQGDISSVVDEHFSRALSQPSSYTPSCSSSKTHRSSGPWRAEGTFPMNQR
 SFPASFWNSAYQAPVPAPLGSPLAAAHSELPFATDPYTPAALHGHHLHQGAADWHHAHPHHPHPYALG
 GALGAQASAYPRPAVHEVYAPHFDPYRGLIMPAASGRPGRLAPASAPAPGSPPCELAAKGEPAGGAWAA
 PGGPFVSPAGDVAQSLGLSVDSGKRRRRECSLPSAPPALYPTLG

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_001107630

ORF Size: 969 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_001107630.1, NP_001101100.1

RefSeq Size: 1595 bp

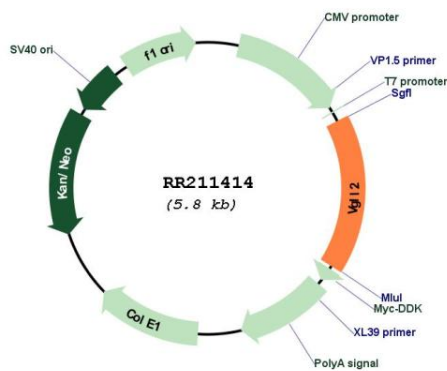
RefSeq ORF: 972 bp

Locus ID: 309772

Cytogenetics: 20q11

MW: 34.2 kDa

Product images:



Circular map for RR211414