

Product datasheet for RR201622

Vwa5b1 (NM_001107988) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa5b1 (NM_001107988) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vwa5b1
Synonyms:	RGD1308559
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201622 representing NM_001107988 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGCTGGCTGTGAACTGCTTACGGGGCAGCCCTGCCTCTACCGGTCTGACGTCACTCCTACG
TCAGCGGCTATGCCCTGGGCTCACGGCTCCCTTACCTATGGCAACCTGGAGGCTCAGCCCTTCAAGG
TCTCTTGTGTATCCGACGGATGAGTGCACCACAGTGGTTGGTTTGAAGCCGTCATTGCTGACCGAGTT
GTGACCATACAGCTCAGAGACAAAGCAAGCTGGACAGAAGCTACTTGGATGTCCAATCCGCCACTGTCA
CAGGGAACCTTCCAGAAGAGGAGATTCCCATCACACCGGAAAGGTGACCTTGGATGAGGATCTGGAGCG
GATTCTGTTCTGGTCAACCTGGGGACATTGCTCCCATGGAAAATGTCACCATCTTCATCAGTACCTCC
TCGGAACCTCCACGCTACCCAGCGGGCCGTGAGGGTCTTCTGCCGGCCATCTGTGCCCGACCGTGC
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CACCCAGTCCAAGGACTCCTATAAGAGGCTGTGTCTGGCCACTCTCTGGACACAAGGTGACCAACCCA
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AACCAAAGATGGTCAAATCCTTGAAGAAGGCCATGGCCCCAGTGCTGAGCGACGTGACCGTGGAGTGGGT
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ATTATATG

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Protein Sequence: >RR201622 representing NM_001107988
 Red=Cloning site Green=Tags(s)

MPGLLNCFGAALPLTASDVTSYVSGYALGLTASLTYGNLEAQPFGQLFVYPTDECTTVVGF EAVIADRV
 VTIQLRDKAKLDRSYLDVQSATVTGNLPEEEIPITPGKVTLDEDLERILFVVNLGTIAPMENVTFIST
 SELPTLPSGAVRLLPAICAPT VHPFCAHRFGSSRQQPRGKDPHCFGTQSKDSYKRLCLATLLDVKV TNP
 MEYEFKQLEIRGPCLLAGVESPTHEIRADAAPSAHSAKSIIITLAKKHTFDRPVEILLHPSEPHMPHVL
 VEKGDMLGFEFYQHLKRKADFVRGTTKDNIAERKTEVIRKRLHKDIPHHSVIMLNFCPDLESVQPNRRT
 HGEFIFLIDRSSMSKTNIQCIKEAMLVALKSLMPACL FNVIGFGSTFKTVFASSQIYNEENLALACECI
 QRMRADMGGTNIFSPLKWLVRQPLRQGHPRLLFLITDGSVNNTGK VLELVRNHASSIRCYSFGIGPTV CY
 RLVKGLASVSKGSAEFLMEGERLQPKMVKSLKKAMAPVLS DVTVEWVFPETTEALISPVSTSSLFPGERL
 VGYGIVCDASLYISNSRSDKRRKYGMLHAQESSSVFYHSQDEGLRPGSGNCAKNFNQGGTKDAHPCNGD
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 LLTRGHDP SQPRLHGP GARRSLLPQGCQPMRFSGPEPQAWSPVRELGLGSGRKS VLNRSSEDLATEP
 PPFSTLEPETSSDLEPTAELEEQAPYRTATPSPVLGKVLVKGVC DNQHMQWEVSFELEPPALRREDTQN
 DDMWGETFHHLAARAI IREFEHLAQREDEIELGSNRRYQVNAVHTSKACNVI SKYTA FVPVDINKRQYLP
 TVVKYHNSGALLSFRNLTRQWKGFSTGLRRSQSMLREHSSAAGDSK FQTLALHESLTSTFNKTPSGHEK
 YATAEGPPQNLSTSSLSSTKASEAIFGSRLILNKSRLLRATKNFLSKSLPKAPEVNP GSSQSSDYVPLVS
 LQLASGAFLLNEVFCRTIQIPMEK LKWTSPFNCLRMSLVTRRHDLKTQSPGDCTLSSPPPPSDDISLKS
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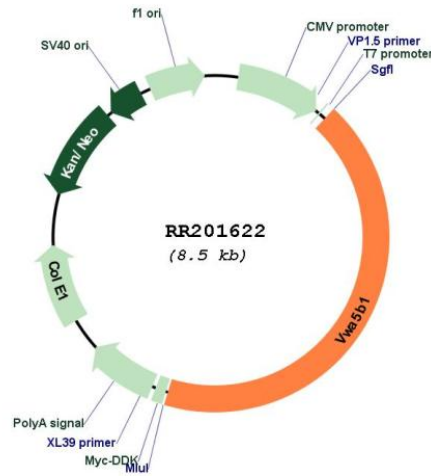
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107988

ORF Size: 3648 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_001107988.1](#), [NP_001101458.1](#)

RefSeq Size: 3783 bp

RefSeq ORF: 3651 bp

Locus ID: 313653

Cytogenetics: 5q36

MW: 134.7 kDa