

Product datasheet for **RR206303**

Vwa5a (NM_198755) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa5a (NM_198755) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vwa5a
Synonyms:	Loh11cr2a; masa-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR206303 representing NM_198755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCATCACTGGGGCTAATCACTGGCAACAAGGAGAAAGTACCCTGAAGAGCATCTCAGTCACT
 TGTCATCAATGACTTTGTGGCTGCTGTGGCTGCAACCCTACATTATGAGAATGAGGAGAAAGTCCCAAT
 AGAGGCAATGTTTGTGTTTCTATGGATGAAGACTCTGCTGTCTACAGCTTTGAAGCCTTGGTGGATGGG
 AAGAAAATCGTGGCAGAGTTGCAGGATAAGACGAAGGCGCACAGCAAGTATGAGGAGGCACTCTCCAGG
 GCCACCAAGCATACTTATTGGAAGAGGATGATTATTCCAGGGATGCTTTTTCTTGAATGTGGGAACT
 GCAGCCTGGAATAAGTTGCAGTTACCTTGAGGTATGTGCAGGAAGTCCATTGGAATCAGATGGGGCC
 CTGCGCTACCTGCTCCAGCAGTCTTGAATCCAAGATATCAGCTTTCTGAACAGTCAGCGAGCAGTTGCT
 TGAATGTACAGAAGCCCATTGTCCTTTGGAGGCCCTGCCTTACACACTCAGCATGGTTGCCACCATCAC
 TCCCAGCATGGTATTGAGAGGGTCCAATCCAAGTCTCCTTGGCCCTATTGAGTACCTTACAGATGAC
 AAGACTTCTGCTCAGTTTCTTACTGAAGGGCATAAGTTTGACCGGGATGTGGAAGTCCCTGATTTACT
 ACCGTGAAGTGCACAGCCCCAGTGTAGCTGTGGAGAAGGGAATGCAGGACAAGAAGCGAGATAGTTTGT
 GGGAGCTCCTTGTGCAATGGTGAGCTTCTACCCAGACATCCCAGAAGTGAACGCCTCAAAGTCTGTGGA
 GAATTTGTGTTTCTAATGGACCGCTCAGGAAGTATGCAACCCCATGAGAACAGAGGAAAATTTCTCAGC
 TACGCATAGAGGCTGCCAAGGAACTCTGCTGTTGTTGCTGAAGAGTTTGCCTATGGGTTGTTATTTAA
 CATCTATGGATTTGGATCTTCTATGAACAATTTCCCGGAGAGTGTGAAGTACACTCAGGAAACAATT
 GAGGAAGCAGTGAACGAGTGAAGCGTTTAGATGCCGATTTAGGGGACTGAAATCTTGACACCCCTCC
 GCAACATTTACAAGACATCTCCATTCCCTGACATCCCCTACAGCTCTTGTCTTACAGCAGGAGAAAT
 GAGTGACACATATAGTGTATCAGAGAAGTTAAGTTAAACAGCAAGAAACACAGATGTTTCTCATTGTT
 ATTGGACAAGGAGCCTCCACCAGCTTAATCAAAAACATCGCCCGGTATCAGGGGCACTGCAGAGTTTA
 TCACAGGCAAGGACAGGATGCAGGCTAAGGCTCTTGGGCTCTCAAGCTTGCCTACAGTGTGATTGGA
 TGATATCTCCCTGAGTTGGGAATTGCCTCCTGGTCTGTCTGTTAACATGCTCTCTCCAGAGCAGCTACC
 ATCTTTAGGGGTCAGAGGTTAATCATCTATGCCCAACTGACTGGGCTATGCCTCAAGCGGAGAGCAGAG
 GAGCAGTGTGCCTCAAGCACACCCTCCAGGCAAGAGTCTGGAACAAGGTGGCATTTCCTACAACC
 CAAGGAAAATGCCAATTTTACCATTATCGGTTGGCGCAAAGTCTTGATTGACACCAAGGATTTGGGA
 TCCCATGAAGTCTCAAAAGAAGAGAAAAGGATGTGATGAACATCAGCCTTCAGTCTGGAGTTCTCAGCT
 CCTTACAGCCTTTGTTGCCATAAACAAGAGCTTAACAAGCCAGTGCAGGGCCCTCTGGCCACAGAGT
 CATTCTAGGCCAATGATAGCTACATCTACATCTATGTTTATGAGGTCATGCAGTCGTCTCACAGTCCC
 TTTAAAACACTCACGCCTAAAACGTAGATTATGTGCAGCAGACTATGTTCCATATGGACATGAAAGCACTG
 TGATTCTAGCATGCCAAGTCCAGCACCCATAGAAAATCAGGGAGTGGCAGATTCTTGAACGAGAAAAG
 CAACTCGCAAAATGAACACAAAGCATTGGGGAGAATGTTGTGTTGCAGCTGATTTTTCTGCAAAATGCA
 AATGGCTCCTGGAAGCTGGATGAAAATCTGACCAAGATCCTGGGCACTACATTGGAAGACACCAAGGCTG
 CCAACCTTCTCAGCATGGGACCCCTCAGCCTGGGCCACAATCCTGGCTGTGCTCTGGCTCCATGCCAA
 TGGCCAGGACTTAAAGTGTGAGTGGGAGCTTCTGGAACGGAAGGCTGTGGCTGGCTTCTGATCATGCA
 GGTAGGGGCACAACCCCTCCGCCCTTCTTCTTCCATTTGCATCCAGGGAGCCATGCCTCTATGTGT
 TGCAGGCACTCAAGAGTCCCTATGGCTGTCCCAACTATGCTGTCTCAGAACATTGTCCTCCAGCTAAT
 CCTTCATTTTCAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206303 representing NM_198755
Red=Cloning site Green=Tags(s)

MEHHWGLITGNKEKVPLKSI SVTLSINDFVAAVAATLHYENEKVP I EAMFVFPMD EDSAVYSFEALVDG
KKI VAE LQDKTKAHSKYEEAL SQGHQAYLLEDDYSRDV FSCNVGNLQPGTKVAVTLRYVQELPLESDGA
LRYLLPAVLNPRYQLSEQSASSCLNVQKPIVPLEALPYT L SMVATITSQHGIERVQSNCSLSPIQYLTDD
KTS AQVSLTEGHKFRDVELLIYYREVHSPSVAVEKGMQDKKRDSLMGAPCAMVSFYDPDIPEVNASKVCG
EFVFLMDRSGSMQTPMRTEENSQLRIEAAKETLLLLL KSLPMGCYFN IYGFSSYEQFFPESVKYTQETI
EEAVERVKRLDADLGGTEILTPLRNIYKTSIPGHPLQLFVFTDGEVSDTYSVIREVKLNSKKHRCFSFG
IGQGASTSLIKNIARVSGGTAEFITGKDRMQAKALGSLKLALQCALDDISL SWELPPGLSVNMLSPEQPT
IFRGQRLIIYAQLTGMPQAESRGAVCLKHTLQGKSLENKVAFSLQPKENANFTIHR LAAKFLIQTKDLG
SHEVSKEEKKDV MNISLQSGVLS SFTAFVAINKELNKPVQGPLAHRVIPRPMIATSTSMFMRSCSRLTGP
FKNSRLKRR LCAADYVPYGHESTVYSSMPSPAPIENQGVADSSNEKSNSQNEHKAFGENVVLQLIFLQNA
NGSWKLDENLTKILGTTLEDTKAANPSQHGDPSAWATILAVLWLHANGQDLKCEWELLERKAVAWLHDHA
GRGTT PPPPF SFHLHPREPCLYVLQRTQESLWLSQLCCLRTL SLQLILHFQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

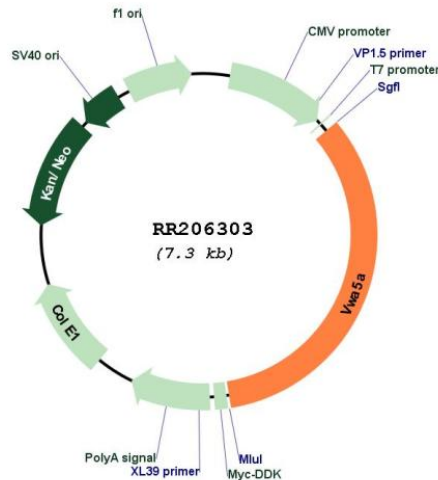
Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_198755

ORF Size: 2466 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_198755.1](#), [NP_942050.1](#)

RefSeq Size: 5941 bp

RefSeq ORF: 2469 bp

Locus ID: 301097

UniProt ID: [Q75WE7](#)

Cytogenetics: 8q22

MW: 91.5 kDa

Gene Summary: human homolg is a putative tumor suppressor gene [RGD, Feb 2006]