

Product datasheet for MR206547

Vwa1 (NM_147776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa1 (NM_147776) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vwa1
Synonyms:	4932416A11Rik; WARP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206547 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTTCTGGACTGCGTTTCAGCATGGCTTTGAGTCTGCGGTTGGCATTGGCGCGGAGCAGCATAGAGC
GCGGTTCCACAGCATCAGACCCCGAGGGGACCTGTTGTTCTGTTGGACAGCTCAGCCAGCGTGTCA
CTATGAGTTCTCAAGAGTTCGGGAATTTGTGGGCGAGCTGGTGGCTACGATGTCTTTCCGACCCGGGGCT
CTGCGTGTAGTCTGGTGCAGTGGGCGAGCCAGCCTCACACAGAGTTACTTTTGACCAGTACAGTTCAG
GCCAGGCTATACAGGATGCCATCCGTGTTGCACCCCAACGTATGGGTGATACCAACACAGGCCTGGCACT
GGCTTATGCCAAAGAACAATTGTTTGTGAGGAAGCAGGTGCCCGGCCAGGGGTTCTAAGGTGCTGGTG
TGGGTGACAGATGGTGGCTCCAGCGACCCCGTGGGCCCCCTATGCAGGAGCTCAAGGACCTGGGTGTCA
CCATCTTCATTGTGAGCACTGGCCGAGGCAACCTGTTGGAGCTGTTGGCAGCTGCCTCGGCTCCTGCCGA
GAAGCACCTACACTTTGTGGATGTGGATGATCTTCCTATCATTGCCCGGGAGCTGCGGGGCTCCATAACT
GATGCGATGCAGCCACAACAGCTTATGCCTCGGAGGTTCTGTCCAGTGGCTTCCGCCTGTCTGGCCGC
CCCTGCTGACAGCGGACTCTGGTTACTACGTGCTGGAATTGGTACCTAGCGGCAACTGGCAACCACAAG
ACGCCAACAGCTGCCCGGAATGCTACCAGCTGGACCTGGACAGATCTCGACCCGGACACAGACTATGAA
GTACTACTGCTGCCTGAGTCCAACGTGCACCTCCTGAGGCGCAGCAGTGGGAGTACGCACACTGCAAG
AGGAGCCGGGCCAGAACGCATCGTCATCTCGCATGCGAGGCGCGCAGCCTCCGCGTAAGCTGGGCCCC
CGCGCTTGGCCCGACTCCGCTCTAGGCTACCATGTACAGCTCGGACCTCTGCAGGGCGGGTCCCTAGAG
CGCGTGGAGGTGCCAGCAGGCCAGAACAGCACTACCGTCCAGGGCCTGACGCCCTGCACCACTTACCTGG
TGACTGTCACTGCCGCTTCCGCTCCGCGCCAGAGGGCGCTGTGCGCTAAGGCTTGTACGGCCTCTGG
CGCGGGACCCGTGCTCCGAGTCCATGCGGCCGAGGCTGGACCGGGAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206547 protein sequence
Red=Cloning site Green=Tags(s)

MLFWTAFSMALSLRLALARSSIERGSTASDPQGDLLFLLDSSASVSHYEF SRVREFV GQLVATMSFGPGA
 LRASLVHVGSPHTEFTFDQYSSGQAIQDAIRVAPQRMGDTNTGLALAYAKEQLFAEEAGARPGVPKVLV
 WVTDDGGSSDPVGPMPQELKDLGVTFIVSTGRGNLELLAAASAPA EKH LHFVDVDDLPIIARELRGSIT
 DAMQPQQLHASEVLSSGFRLSWPPLL TADSGYYVLEL VPSGKLATRRQQLPGNATSWTWTDLDPD TDYE
 VSLLPESNVHLLRPQHVRVRTLQEEAGPERIVISHARPRSLRVSWAPALGPD SALGYHVQLGPLQGG SLE
 RVEVPAGQNSTTVQGLTPCTTYLVTVTA AFRSGRQRALSAKACTASGARTRAPQSMRPEAGPREP

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_147776

ORF Size: 1248 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_147776.1](#), [NM_147776.2](#), [NM_147776.3](#), [NM_147776.4](#), [NP_680085.2](#)

RefSeq Size: 3140 bp

RefSeq ORF: 1248 bp

Locus ID: 246228

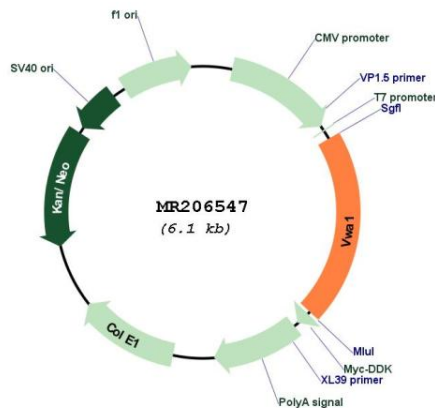
UniProt ID: [Q8R2Z5](#)

Cytogenetics: 4 E2

MW: 44.7 kDa

Gene Summary: Promotes matrix assembly.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206547