

Product datasheet for **MR218195**

Vwa2 (NM_172840) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa2 (NM_172840) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vwa2
Synonyms:	Amaco
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218195 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCCACTTCTGCTTCTACCAGCCATCTACATGCTCCTGTTCTTCAGAGTGTCCCGACCATCTCTC
 TTCAGGAAGTGCATGTGAACCGGAGACCATGGGGAAGATCGCTGTGCCAGCAAATTAATGTGGTGCTC
 AGCCGCGGTGACATCCTGTTTCTGTTAGATGGCTCTCACAGCATCGGGAAGGGGAGCTTCGAGAGGTCC
 AAGCGCTTCGCCATCGCTGCCTGTGATGCCCTGGACATCAGCCCTGGCAGGGTCAGAGTCGGAGCCTTGC
 AGTTTGGTTCCACTCCTCATCTGGAATCCCTTGGACTCCTTCTCAACTCGACAGGAAGTGAAGGAAAG
 CATCAAGGGGATAGTTTTCAAAGGTGGGCGCACCGAGACGGGCCTAGCCCTGAAACGCCTGAGCAGAGGG
 TTCGCCGAGGCAGAAATGGCTCTGTGCCCCAGATTCTTATCATCGTCACGGATGGCAAGTCCCAGGGGC
 CCGTGGCTCTCCCGCTAAGCAGCTGAGAGAAAGGGGCATCGTCGTGTTGCCGTAGGAGTCCGTTTTCC
 CAGGTGGGACGAGCTGCTCACGTGGCCAGTGAGCCGAAGGACCGGCATGTGCTGTTGGCTGAGCAAGTG
 GAGGATGCCACCAATGGCCTCCTCAGCACCCCTCAGCAGCTCCGCACTCTGCACCCTGCTGATCCAGACT
 GCAGGGTGGAACTCATCCCTGTGAGCGGAGGACGCTGGAGACCGTCAGGAGCTCGCTGGCAATGCCTT
 GTGCTGGAGAGGATCAAGGCAAGCAGACACTGTGCTGGCTCTGCCCTGTCCCTTCTACAGCTGGAAGAGA
 GTGTTCCAGACACACCCTGCCAACTGCTACAGAACCATCTGTCCAGGCCCTGTGACTCCAGCCCTGCC
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 GGAAGTCAACTGTGCCCCGAAGCTGAGCCTGGAATGCAGAATCGATGTCTCTTCTGCTGGACAGTTCT
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 GGAGTACCAGCATGTGCCGGACCTGATCAGGAGCCTTGACAGCATTCCCTTCAGCGGTGGCCCGACCCTA
 ACCGGGAGTGCCTTGCTCCAGGTGGCAGAGCACGGCTTTGGGAGTGCCAGCAGGACTGGTCAGGACAGGC
 CACGCAGAGTAGTAGTTCTGCTCACTGAATCACGCTCCCAGGATGAGGTGTCTGGCCAGCAGCTCACGC
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 GGTAGCCCGAAGCATGTGATGGTCCACACAGACCCTCAGGACCTGTTAGCCAAATCCCAGAGCTGCAGA
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 GTCCCAAGGCCGTGGTGTGCTCACAGGCGGGAGTGGGGCAGAAGATGCAGCTGTCCCTGCCCAGAAGC
 TGAGAGGCAATGGCATCTCAGTCTTGGTTATGAGCGTGGGAGCCGTCTCAGGGAGGCAGTACGGAGGCT
 TGCCGGTCCACGCGACTCCCTGATCCATGTGGCAGCTTACACAGACCTTCCGTACCATCAGGACATGCTC
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 GCACCTGTGTCTGAAGATCGGCAGTTACCGATGCGAGTGCCGGGGTGGCTGGGAAGGCCCCCACTGTGA
 GAACCGCATCTTGAGAGGAGATGCCCCATGGCACGTAGCTTCCACCAAGAGCCTGCAGGACTACAAGGG
 CCAACCCCTCGCAGCAAGCTCCAAGCATCTTAGAATCGGAAAGGCCCTGTCTCCGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR218195 protein sequence

Red=Cloning site Green=Tags(s)

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MPPLLLLPAIYMLLFFRVSPITISLQEVHVNRETMGKIAVASKLMWCSAAVDILFLLDGSISIGKGSFERS
KRFAIAACDALDISPGRVRVQALQFGSTPHLEFPLDSFSTRQEVKESIKGIVFKGGRTETGLALKRLSRG
FPGGRNGSVPIIIVTDGKSQGPVALPAKQLRERGI VVFAVGVRFPWDELLTLASEPKDRHVLLAEQV
EDATNGLLSTLSSALCTTADPDCRVEPHPCERRTLETVRELGNALCWRGSRQADTVLALPCPFYSWKR
VFQTHPANCYRTICPGPCDSQPCQNGGTCIPEGVDYHCLCPLAFGGEVNCAPKLSLECRIDVLFLLDSS
AGTTLGGFRRAKAFVKRFVQAVLREDSRARVGIASYGRNLMVAVPVGEYQHVPDLIRSLDSIPFSGGPTL
TGSALLQVAEHGFGSASRTGQDRPRRVVLLTESRSQDEVSGPAAHARARELLLLGVGSEILQAELVKIT
GSPKHMVHTDPQDLFSQIPELQRRLCSQPRPGCQAQSLDLVFLLDASASVGNENFAQMOSFIRKCTLRF
DVNPDVTQVGLVYVYGSRVQTAFLDTHPTRAAVLRAMSQAPYLGGVGSAGTALLHIEDKVMTVQRGARPG
VPKAVVMLTGGGAEDA AVPAQKLRGNGISVLVMSVGAVLREAVRRLAGPRDSL IHVAAYTDLPYHQDML
IEWLCREARLPVNLCKPSPCMNEGTCVLKIGSYRCECRGGWEGPHCENRILRGDAPMARSFHQEPAGLQG
PTPSQQAPKHLRIGKALSSAK
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_172840

ORF Size: 2376 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_172840.2](#), [NP_766428.2](#)

RefSeq Size: 3885 bp

RefSeq ORF: 2376 bp

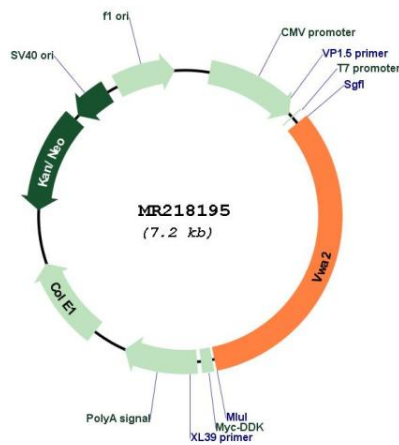
Locus ID: 240675

UniProt ID: [Q70UZ7](#)

Cytogenetics: 19 D2

MW: 85.6 kDa

Product images:



Circular map for MR218195