

Product datasheet for **MR210687**

Vwa5a (NM_001145957) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa5a (NM_001145957) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vwa5a
Synonyms:	5830475I06Rik; AW552491; BCSC-1; E130119J22; Loh11cr2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210687 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCATCACTGTGGTCTAATCACTAGCAACAAAGAGACAGTACCCTGAAAAATATCTCAGTAACAT
TGTCATCAATGAATTTGTGGCTGCTGTGGTGGCAACCTTAAATTACGAGAATGAGGAGAAAAGTCCCAT
AGAGGCGACCTTTGTGTTTCTATGGATGAAGACTCTGCTGTCTACAGCTTTGAAGCCTTGGTGGATGGG
AAGAAAATTGTGGCAGAGTTGCAGGATAAGATGAAGGCTCACAGCGAGTATGAGGAAGCCCTCTCCAGG
GCCACCAAGCATACTTATTGGAAGAGGATGACTATTCCAGAGATGTCTTTTCTTGAACGTGGGGAACCT
GCAGCCTGGAGCTAAGGTTGCAGTTACCCTGAGGTATGTGCAGGAAGTCCCTTGGAAACAGATGGGGCC
CTGCGCTACCTGCTCCAGCAATCTTGAATCCAAGATATCAGCTCTCTGAACAGTCAGCAACAGTTGCT
TGAACATCCAGAAACCCACAGTCCCTTTGGAAGACCTGCCTTACACACTCAACATGACTGCCACCATCAC
TTCCAGCATGGTATTGAAAGGGTCCAGTCCAAGTCTCTTTGAGCCCTATTCAGTACCTTACAGATGAC
AAGACTTCTGCTCAGTTTCTTACTGACTGAAGGGCACAAGTTTGACCGGGATGTGGAACCTCTGATTTACT
ACAATGAAGTGCACAGCCCCAGTGTAGCTGTGGAATGGGGATGCTGGACATGAAGCCAGACAGTTTGT
GGGAGCTCCTTCTGCAATGGTGAAGTTTCTACCCAGATATCCAGAAAGTGGAAAGCCTCAAAGGCTGTGGA
GAATTTGTGTTTCTATGGACCGTTTCCAGAAAGTATGGACTCCCCCATGAGCACAGAGAACAATTTCTCAGC
TACGCATCGAGGCTGCCAAGGAACTCTGTTGCTGTTGCTGAAGAGTTTGCCTATGGGTTGTTATTTTAA
TATCTATGGATTTGGATCTTCTATGAGAAATCTTTCCGGAGAGTGTGAAGTACACTCAGGATAACAATG
GAGGACGCAAGTAAAAGAGTGAAGGCTTTAAAAGCCAACCTTAGGGGACTGAAATCTTGACACCCCTCT
GCAACATTTACAAGGCATCCTCCATTCTGGTCACTCCCTACAGCTCTTTGCTTTCAGGATGGAGAAGT
GAGTGACACATTTAGTGCATTAGAGAAGTTAAGTTAAACAGCAAGAAACACAGATGTTTCTCTTTTGGAA
ATTGGACAAGGAGCCTCGACCAGTTTAATCAAAAATATCGCCCGGTATCAGGGGACTGCAGTGTTTA
TCACAGGCAAGGACAGGATGCAGACCAAGGCTCTTGGGCTCTCAAGTTTGTCTACAGTGTGCAGTGGAA
TAACATCTCTAAGTTGGGATTTGCCTCCTGGTTTGTCTGTTAAATGCTTTCTCCAGAGCAACTTACC
ATCTTTAGGGGTCAGAGGTTAATCATCTATGCACAAGTACTGGGCTTATGCCTCAAGTGGAGAGCACAG
GAGCAGTGTGCCTCAAGCACATCCTCCAGGATAGGAGTCTGGAAAACAGGGTGCATTTTCCCTGCAACC
CAAGGCAATGACAATTTACCATTTCATCGTTGGCTGCAAAGTCTTGATTGACTAAGGATTTTGGAA
TCCAGGAGGCTCAAAGAAGAAAAGAAAGATGTGATGAACATCAGCCTTCAGTCTGGAGTCTTACGCT
CCTTACAGCCTTCAATGCCATAAACAAGGAGCTGAACAAACAGTGCAGGGGCCCTGGCCACAGAGT
GATTCCTAGGCCAGTGTGGCTGGATCTAGTAGTATGCGGTTCTACTCCAGTTTCTCTGGTGGCTTTAAA
GGCCACAGCCAAGAAGTTACGTGTACCAGCATATGATTTATGTTTACAGCAGAAAGTGTAAATCTTGTCC
TCAAAAAATCTGCGTGTCTGCTATACAGAAGAAAAAGACAAATCTTCTACCAATAAAAGCAACTTGAA
AAAGGAACACAAAGCATTGGAGAGAATGCTGTGGTGCAGCTGATTTCTTCCAAAAGGCAAAATGGCTCC
TGGGAGCTAGATGAAGATTTGACCAAGATCCTGGGCACTAAGTCAAAGACATCAAGGCTGCAAACCCCTG
CCAAGCATGAGGACCCCTCAGCCTGGTCCACAGTGTGGCTGTGGTCTGGTTGCATGCCAACGGCACAGA
CTTAAAGTGTGAATGGGAGCTTCTGAAAGGAAGGCTGTGGCCTGGCTTTCATGACCATGCAGGTTCTCTC
ATCCCCATGCTTGTGCAAGCTGCCAATAGTCTCCTGAAATTATCTGTGAATCCTGCTGTCTTTGGCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210687 protein sequence
Red=Cloning site Green=Tags(s)

MEHHCGLITSNKETVPLKNISVTL SINEFVAAVVATLNYENEKVPLEATFVFPMEDESAVYSFEALVDG
KKIVAE LQDKMAHSEYEEAL SQGHQAYLLEDDYSRDVFS CNVGNLQPGAKVAVTLRYVQELPLETDGA
LRYLLPAILNPRYQLSEQSANSCLNIQKPTVPLEDLPYTLNMTATITSQHGIERVQSNC SLPIQYL TDD
K TSAQVSLTEGHKFRDVELLIYYNEVHSPSVAVEMGMLDMKPD SLMGAPSAMVSFYDPDIPEVEASKACG
EFVFLMDRSGSMDSPMSTENNSQLRIEAAKETLLLLL KSLPMGCYFNIYGFSSYEKFFPESVKYTQDTM
EDAVKRVKALKANLGGTEILTPLCNIYKASSIPGHPLQLFVFTDGEVSDTF SVIREVKLNSKKHRCFSFG
IGQGASTSLIKNIARVSGGTAVFITGKDRMQTKALGSLKFALQCAVDNISL SWDLPPGLSVKMLSPEQLT
IFRGQRLIIYAQLTGLMPQVESTGAVCLKHILQGRSLENRVTFSLQPKANDNFTIHR LAAKSLIQTKDFG
SQEASKEEKEDVMNISLQSGVLSSTAFIAINKELNKPVQGPLAHRVIPRPVMAGSSSMRFYSSFSGGFK
GPQPRSLRVPAYDLCSAESANLV LKKSACSAIQKKKTNSSSTNKS NLKKEHKAFGENAVVQLISLQKANGS
WELDEDLTKILGTSKDIKAANPAKHEDPSAWSTVLAVVWLHANGTDLKCEWELLERKAVAWLHDHAGSS
IPMLVQAANSLKLSVNPVAVFGV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


- ACCN:** NM_001145957
- ORF Size:** 2382 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_001145957.1](#), [NP_001139429.1](#)

RefSeq Size: 4081 bp

RefSeq ORF: 2382 bp

Locus ID: 67776

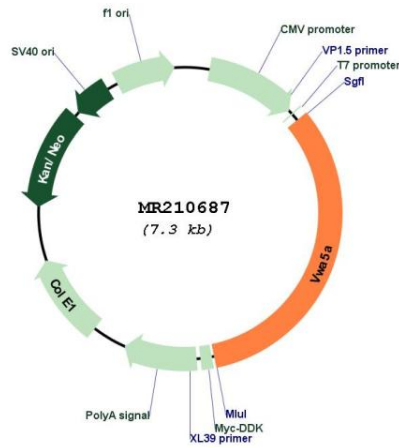
UniProt ID: [Q99KC8](#)

Cytogenetics: 9 A5.1

MW: 87.1 kDa

Gene Summary: May play a role in tumorigenesis as a tumor suppressor. Altered expression of this protein and disruption of the molecular pathway it is involved in may contribute directly to or modify tumorigenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210687