

Product datasheet for **MG218497**

Vwa5b2 (NM_182636) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa5b2 (NM_182636) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vwa5b2
Synonyms:	BB182430; EG328644; Gm931; Gm1738
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218497 representing NM_182636
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGGCCTGTACTGCCCCACCAGCTGGACGCCGCTGCCGCTCACCGACTCCTGCGTCCGGCCATG
 CCAAGGGACCCTGCCTCAGCCTGCGTGCCCGCTTACCTACCACAACCCACAGCCCCAGCCGGTGAAGG
 CGTGTTCTGTACCCTCTGGCTGAGGCGGAGGTGGTATCTGGCTTCGAGGCCGAGCGGCCGACGGCGC
 GTCTCCTTCCAGTTGCATAGCCGGCGCCGATCACAGGCCGCTGCTGTCGCGCTCTGGGCCGGGACTAG
 GGACCTTACACCCCGCCGCTGCGCACAGGGTCATCTTGTCTTGAATCTGGCCCAAGCCCGGTCCACACT
 GGTGTTGCCCACTGGCCTTGTGGCTGCAGCTGGTACCATGACAGTGACCCTGTGCAGCAGCCGGGAGTTG
 CCCTCCAGGCCTGATGGGGTATGCATGTGCCCTGCCACTGTGTTACCCCACTGGCCAGCCAAACC
 TGCCAGGGTCCCCAGGTCTCCGGGCTCTGTGACGACAGCCCCACCAGCTGCTTCGGGGTAGGCAGCCC
 TGAGGAGGAAAGGCCGACCTGGGAGCAACCAACTGCCACTCCGGACGTGTTCTCAGGCCCTGCCCGTGT
 CCTGCTCCGTATACCTTCTCTTTGAGATGCTAGTGACCGGACCATGTCTGTTGGCAGGCCCTGGAGAGCC
 CCTCTCATGCTCTGCGTGCAGATGCCCTCCCTCATGCCAGCTCTGCAGCAACTATCCGTGTACCCTGGC
 AGAGGGCCACCAGTGTGATCGGGCCTTGGAGATCCTCTTGACCCCAAGTGAAGCCATCAGCCCACTTG
 ATGCTGGAGACTGGCAGCTTGAAGTTCAGCAGAATATGAGGCCCAAGTGAAGGGCCCGCATGACTTCAGA
 GGTTGCAGCAAAGAGACAGTGGTGGGAACGGCAGGTCTGGTTCCTGCAGCGACGGTTCATAAAGGACAT
 CTTGCTGAACCTGTGCTGGTGTGAACCTCTGCCAGACCTGAGCTCCAAGCTGGACACCTGAATGCA
 GCTACCCGGGAGCTCCTCTTCTGTTAGATGGCAGTGGTGCAGGACACAAGGATGCCATTGTTTTGGCTG
 TAAAATCCCTCCAGCTCAGACTAGTCAACCTAGCCATATTTGGACATTGGTACAGCCACTCTTCCC
 AGAGAGCCCGCCTTGCAGTGATGACACTGTGACCTGATCTGCGAGAGCATCGAGACTCTCAGACTGTG
 AATGGTCCCCCTGATATGCTGGCTGATTGGATTGGCCCTTAGGGCAGCCCCAGCACAGGCCTACCCTC
 GACAGATGTTCTGATCACTGCTGCCTCGCCAACGGCTGCCACCCTCACCAAGCCCTGGAGTTTATGAG
 GTGGCACAGAGGGGACCCAGGTGCTTCTCCTTTGCATTGGCACCTGCCTGCCGCCAGCTGCTCCATGAC
 TTGTCTGTCTCAGCAGAGGACAGGCTTACTTCTGAGGCCCGGGGAGAGACTTCAGCCCAAGCTGGTAC
 AGGCTCTGCGGAAGGCACTGGAACCTGCTTTGAGTGACATCTCTGTGGACTGGTTTGTGCTGATGCTGT
 GGAGGCACTGCTGACACCCCGGAGATCCAGCTCTTACCCTGGGGACCAGCTGCTTGGCTACTGCTCG
 CTTTTAGGGTGGATGGCTTCCGGTCCCATGCTCTAGGGGTAGGACTGGGCTGGGGTATCCAGGCGGGC
 CTGGAGGGCGGAAGTCTTGTATCTTACCCTGCTCTTTGTAAGAATCCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218497 representing NM_182636
 Red=Cloning site Green=Tags(s)

MPGLYCPTSWTPLPLTDSCVRAYAKGPCLSLRRLTYHNPQPQPVGVFVYPLAEAEVVSGFEEAAGR
 VSFQLHSRRRSQAACCRALGPGLGTSTPRRCAQGHVLNLAQARSTLVLPVGLVAAAGTMTVTLCSREL
 PSRPDGMHVALPTVFTPLAQPNLPGSPRSPGLCDDSPTSCFVGSPEEERPTWEQPTATPDVFSGPARG
 PAPYTFSEMLVTGPCLLAGLESPHALRADALPHASSAATIRVTLAEGHQCDRALEILLHPSEPHQPHL
 MLETGSLSSAEYEAQVRARHDFQRLQQRDSGGERQVWFLQRRFHKDILLNPVLVLFNCPDLSSKPGHLNA
 ATRELLFLLDGSAGHKAIVLAVKSLPAQTLVNLAIIFGTLVQPLFPESRPSDDTVQLICESIETLQTV
 NGPPDMLAVLDWALGQPQHRAYPRQMFLLITAASPTAATTHQALEFMRWHRGAARCF SFALAPACRQLLHD
 LSVLSRQAYFLRPGERLQPKLVQALRKALEPALSDISVDWVFPDAVEALLTPREIPALYPGDQLLYGYS
 LFRVDGFRSHALGVGLGWGIPGGPGGRKSLYLTRLSLLRIL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_182636

ORF Size: 1806 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_182636.4](#), [NP_872574.2](#)

RefSeq Size: 2401 bp

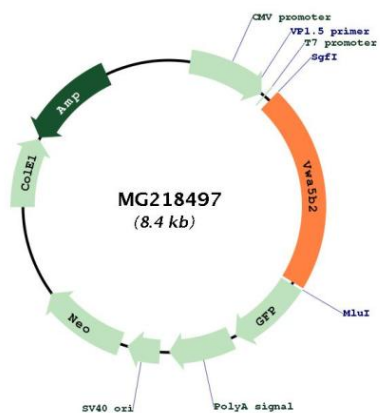
RefSeq ORF: 1809 bp

Locus ID: 328643

UniProt ID: [Q3UR50](#)

Cytogenetics: 16 B1

Product images:



Circular map for MG218497