

Product datasheet for **MG220029**

Vwa5b1 (NM_029401) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vwa5b1 (NM_029401) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vwa5b1
Synonyms:	4931403E03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220029 representing NM_029401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCCTGCTGAACTGCCTCACAGGGGCAGCCCTGCCTCTCATGGAATCCGATGTCACCTCCTATG
TCAGTGGCTATGCCCTGGGCTGACAGCCTCCCTCACCTACGGCAACCTGGAGGCCAGCCCTTTCAAGG
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CAGGGAACCTTCCGGAAGAGGAGAGTCCATCGCACAGGAAAGGTGACCTTGGATGAGGATCTGGAGCG
GGTTCGTTCGTGGTCAACCTGGGGACCATGGCCCATGGAGAATGTCACCGTCTTCATCAGCACCTCC
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CACCCAGACCAAGGACTCCTATAACAGGCTGTGTCTGGCCACTCTCCTGGACACAAGGTGACCAACCCA
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CGACTGGTCAAAGGGCTGGCATCTGTATCCAAGGGCAGCGCAGAGTTCCTGATGGAGGGGAACGGCTGC
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CAGCTCCTGGGTGGAGAAGCAGAAAGTTCCTGAGGGCCGCACCTTGAGCACTCTCAAGAACACTGCTCGC
CAACTCTTGTGCTTCTGCGACTGGGATGAGAAATTAGAGTTCATATGCTCTGTTACAACCCCAATT
ATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220029 representing NM_029401
 Red=Cloning site Green=Tags(s)

MPGLLNCLTGAALPLMESDVTSYVSGYALGLTASLTYGNLEAQPFGQLFVYPIDEYSTVVGFEAVIADRV
 VTIQLRDKAKLDRSHLDIQPATVTGNFPEEESPIAPGKVTLDEDLERVLFVNLGTIAPMENVTVFIST
 SELPTLPSGAVRVLPAICAPTVPSPCTHRFGSSSPQPQKDPHCFGTQTKDSYNRLCLATLLDTKVTNP
 MEYEFKQLEIRGPCLLAGVESPTHEIRADAAPSAHSAKSIIITLAKKHTFDRPVEILLHPSEPHMPHVL
 VEKGM TLGEYDQHLK GKADFIRGTTKDNSAERKTEVIRKRLHKDIPHHSVIMLNFPCDLQSVQPNPKA
 HGEFIFLIDRSNSMKTNIQCIKEAMLVALKSLMPACFFNIIGFGSTFKAVFASSRIYNEENLTMACDCI
 QRMQADMGGTNMLSPLKWLVRQPLRRGHPRLFLITDGSVNNTGKVLVLRNHASSTRCSYFGIGPTVCY
 RLVKGLASVSKGSAEFLMEGERLQPKMVKSLKKAMAPVLSVTVVWVFPETTEALISPVSTSSLFGERL
 MGYGIVCDASLYISNSRSDKRRKYGMLHTQESSSSVFYPSQDEGLSPGSGNCAKNVQGGQTKDAHPCNGD
 SPTHHGLDVSRRRRAYSTNQISSHKTCPRATTASDPTGTARRYPLRKAKVQDLASESDWESQKWQDLQT
 LLNEGHNL SQGPKLHGP GARRPSLLPQGCQLMRFFDQKPAWGPVRELD CGASRTSAPNSQSSDLAIEP
 AHC PSTFERETS LDLEPMAESEEQANPCRTATPSVVGKALVKGLCANQRMQWEVSFELEPPALKRGDTQ
 NADMWSETFHHLAARAI IREFEHLAERDEIEELGSNRRYQVNAVHTSKACSVISKYTA FVPVDINKRQYL
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 SLQLASGAFLLNEAFCTTIQIPMEKWKWTSF SCLRMSLVTRRQDLKTSQPDCTSLSSSPPSCDGI SLK
 SEESSDQESNAMLEHMGKLWATVVALAWLEHSSANYII EWELVAAKASSWVEKQKVP EGRTLSTLKN TAR
 QLFVLLRHWD EKLEFNMLCYNPNVY

TRTRPLE - GFP Tag - V

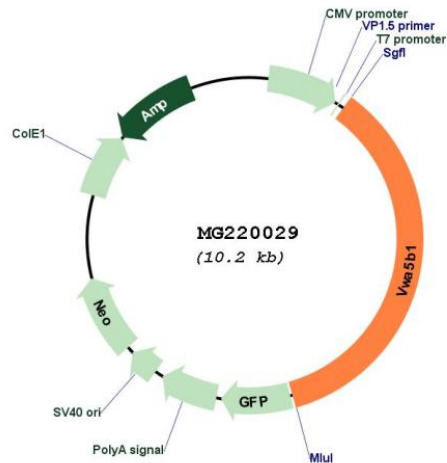
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_029401

ORF Size: 3645 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_029401.1](#), [NP_083677.1](#)

RefSeq Size: 3857 bp

RefSeq ORF: 3648 bp

Locus ID: 75718

UniProt ID: [A9Z1V5](#)

Cytogenetics: 4 D3