

## Product datasheet for **MC210477**

### Vma21 (NM\_001081356) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vma21 (NM_001081356) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vma21
Synonyms:	2610030H06Rik; A1840175
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210477 representing NM_001081356 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCGTCTTGATAAAGCAGCGCTCAATGCGCTGCAGCCTCCAGAGTTCAGAAATGAAACTCTTTAG  
CTGCAACCCTGAAGACACTGCTGTTCTTCACAGCTTAAATGATCACGGTTCCTATCGGCTGTATTTTAC  
AACGAAAGCTTATATATTTGAAGGTGCCCTTGAATGTCTAATAGAGACAGCTATTTTTATGCCGCAATT  
GTTGCTGTTGTTGCTGTTTCATGTGGTCTGGCCCTGTTTGTCTATGTGGCTGGAATGAAGGCTCACGAC  
AGTGGCGTGAAGCAAACAGGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081356
Insert Size:	306 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).



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**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\\_001081356.3](#), [NP\\_001074825.1](#)

**RefSeq Size:** 4195 bp

**RefSeq ORF:** 306 bp

**Locus ID:** 67048

**UniProt ID:** [Q78T54](#)

**Cytogenetics:** X A7.3

**Gene Summary:** Required for the assembly of the V0 complex of the vacuolar ATPase (V-ATPase) in the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.