

Product datasheet for **MR227948**

Vma21 (NM_001290781) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vma21 (NM_001290781) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vma21
Synonyms: 2610030H06Rik; AI840175
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227948 representing NM_001290781
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGCGCGAAAGTCCCGCTCAACGTGGAGTGGCTAGGCTACTCGCCGGCCTGCTCCTAGAGAATG
ATCCGCTGGCAGCGGGACGGACACCACGAACCCCGCGGAAATGAAACTCTTTAGCTGCAACCCTGAA
GACTGCTGTTCTTACAGCTTAATGATCACGGTTCCTATCGGCTTGTATTTACAACGAAAGCTTAT
ATATTTGAAGGTGCCCTTGAATGTCTAATAGAGACAGCTATTTTATGCCGCAATTGTTGCTGTTGTTG
CTGTTTATGTGGTCTGGCCCTGTTGTCTATGTGGCCTGGAATGAAGGCTCACGACAGTGGCGTGAAGG
CAAACAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227948 representing NM_001290781
Red=Cloning site Green=Tags(s)

MLRGKSRNLNVEWLGYSPLLENDPLAAGRTPRTPRGNENSLAATLKTLFFFTALMITVPIGLYFTTKAY
IFEGALGMSNRDSYFYAAIVAVVAVHVVLALFVYVAVNEGSRQWREGKQD

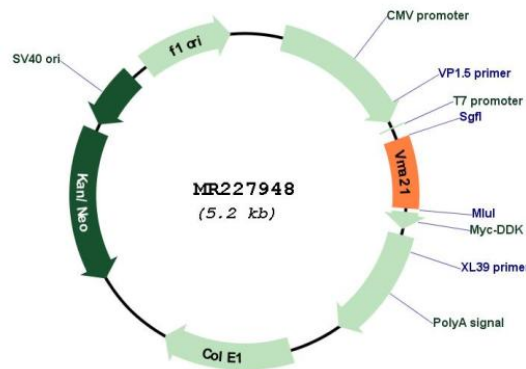
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001290781

ORF Size: 360 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:	<ol style="list-style-type: none">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:	<u>NM_001290781.1</u> , <u>NP_001277710.1</u>
RefSeq Size:	4496 bp
RefSeq ORF:	363 bp
Locus ID:	67048
UniProt ID:	<u>Q78T54</u>
Cytogenetics:	X A7.3
MW:	13.8 kDa
Gene Summary:	Required for the assembly of the V0 complex of the vacuolar ATPase (V-ATPase) in the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function]