

Product datasheet for **MR228038**

Vma21 (NM_001290780) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vma21 (NM_001290780) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vma21
Synonyms: 2610030H06Rik; A1840175
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228038 representing NM_001290780
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGCTGCAGCCTCCAGAGTTCAGGTATCCCTGAGTTCGCTGGGCAACGGTGGCCGCTCGGCTCTGGC
CTGGCGCTGGCCCAGGGCAGGCAGGAGGCAGGTTGGGCTGGGGACACCCCTCACGGGTCACCGCAG
GCTGATGAAGAGAAATGAAAACCTTTAGCTGCAACCCTGAAGACTGCTGTTCTCACAGCTTAATG
ATCACGGTTCCTATCGGCTTGTATTTACAACGAAAGCTTATATTTGAAGGTGCCCTTGAATGTCTA
ATAGAGACAGCTATTTTTATGCCCAATTGTTGCTGTTGTTGCTGTTTCATGTGGTCTGGCCCTGTTGT
CTATGTGGCCTGGAATGAAGGCTCACGACAGTGGCGTGAAGGCAAACAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228038 representing NM_001290780
Red=Cloning site Green=Tags(s)

MRCSLQSSGIPEFRWATVAARLWPGAGPRAGRRQGLGDDPSTGHRRLMKRNENSLAATLKLFFFTALM
ITVPIGLYFTTKAYIFEGALGMSNRDSYFYAAIVAVVAVHVVLALFVYVAVNEGSRQWREGKQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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_001290780.1</u> , <u>NP_001277709.1</u>
RefSeq Size:	4322 bp
RefSeq ORF:	405 bp
Locus ID:	67048
Cytogenetics:	X A7.3
MW:	15.3 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]