

Product datasheet for **RR202505**

Vapa (NM_031631) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vapa (NM_031631) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vapa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202505 representing NM_031631
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCGTCCGCTCCGGGGCCATGGCGAAGCACGAGCAGATCCTGGTCTCGACCCTCCTTCAGACCTCA
AATTCAAAGGCCCTTCACAGATGTAGTCACTACAAATCTTAAATTCAGAATCCATCGACAGAAAAGT
GTGTTTCAAAGTGAAGACCACAGCGCCCGCGGTACTGCGTGGCGCCCAACAGTGGGTTATTGACCCA
GGGTCAATCGTGACTGTCTCAGTAATGCTGCAGCCCTTTGACTATGATCCGAACGAAAAGAGTAAACATA
AGTTCATGGTACAGACAATTTTTGCTCCACCAACATTTAGATATGGAAGCTGTGTGAAAGAGGCAAA
ACCTGACGAACCTAATGGATTCTAAACTGAGATGTGATTTGAGATGCCGAATGAAAACGATAAGCTGAAC
GACATGGAACCTAGCAAAGCTGTCCCACTGAATGCATCCAAGCAAGATGGACCCCTGCCAAAACACATA
GTGTTTCACTCAATGACACGGAGACAAGGAACTGATGGAAGAGTGAAGCGACTTCAGGGAGAAATGAT
GAAGCTCTCAGAAGAAAACCGACACCTGAGAGATGAAGGCCTACGGCTCAGAAAGGTAGCACATTCGGAT
AAACCTGGATCCACCTCAGCCGTGCTTCAGAGATAATGTCACCAGTCTCTTCTCTCTCTGTTG
TAATTGCAGCCATTTTCATTGGATTCTTTCTAGGGAAATTCATCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202505 representing NM_031631
Red=Cloning site Green=Tags(s)

MASASGAMAKHEQILVLDPPSDLKFKGPFDTVTTNLKLNQNSDRKVCVKVKTAPRRYCVRPNSGVIDP
GSIVTVSVMLQPFYDPNEKSKHKFMVQTFAPPNISDMEAVWKEAKPDELMDSKLRVCFEMPENNDKLN
DMEPSKAVPLNASKQDGPLPKPHSVSLNDTETRKLMEECKRLQGEMMKLSEENRHLRDEGLRLRKAHSD
KPGSTSAVSFRDNVTSPLPSLLVVIAAIFIGFFLGKFIL

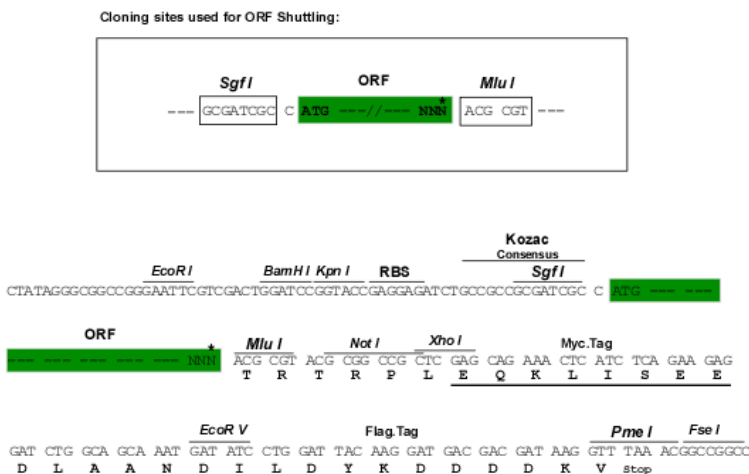
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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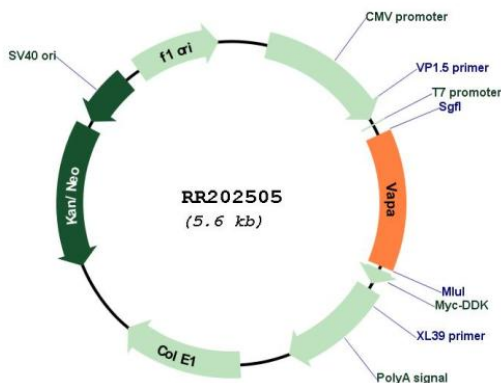
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_031631

ORF Size: 747 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_031631.2</u> , <u>NP_113819.3</u>
RefSeq Size:	1618 bp
RefSeq ORF:	750 bp
Locus ID:	58857
UniProt ID:	<u>Q9Z270</u>
Cytogenetics:	9q37
MW:	27.8 kDa
Gene Summary:	may play a role in vesicle trafficking [RGD, Feb 2006]