

Product datasheet for **RR210667**

Vamp7 (NM_053531) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vamp7 (NM_053531) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vamp7
Synonyms:	Sybl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210667 representing NM_053531 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCATTCTTTTTGCCGTTGTTGCCAGGGGAACCACTATTCTTGCCAAACATGCTTGGTGTGGAGGAA
ACTTCCTGGAGGTGACAGAGCAGATTCTGGCTAAGATACCTTCTGAAAAATAAACTAACTTACTCTCA
TGGCAATTATTTGTTTCACTACATCTGCCAGGACAGGATTGTGTATCTTGCATCACGGATGACGATTTT
GAGCGTTCTCGGCCTTCGGTTTTTGAATGAAGTGAAGAAGAGGTTCCAGACCACATATGGCTCGAGAG
CGCAGACCCGCACTTCCCTATGCCATGAACAGTGAGTTTTTCGAGCGTTCTGGCTGCACAACCTGAAGCATCA
CTCCGAGAATCAGAGCCTGGACAGAGTGACGGAGACTCAAGCCCAAGTGGACGAACCTGAAAGGCATCATG
GTCAGAAACATAGATCTAGTTGCTCAGCGTGGAGAAAGGCTAGAATTGCTGATAGATAAAACAGAAAACC
TCGTAGATTCGTCCGTCACCTTCAAACGACCAGCAGGAACCTTGCCCGGCCATGTGCGTGAAGAACGT
CAAGCTCACTGCCATCATCGTCGTTGTATCGATTGTGTTTCATCTACATCATCGTGTCTCCACTGTGCGGT
GGCTTCACGTGGCCAAGCTGTGTGAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210667 representing NM_053531
 Red=Cloning site Green=Tags(s)

MAILFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLYSHGNLPHYICQDRIVYLCITDDDF
 ERSRAFGLNEVKKRFQTTYGSRAQTALPYAMNSEFSSVLAQLKHSENQSLDRVTETQAQVDELKGIM
 VRNIDLVAQRGERLELLIDKTENLVSSVTFKTTSRNLARAMCVKNVKLTAIIVVVSIVFYIIVSPLCG
 GFTWPSCVKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

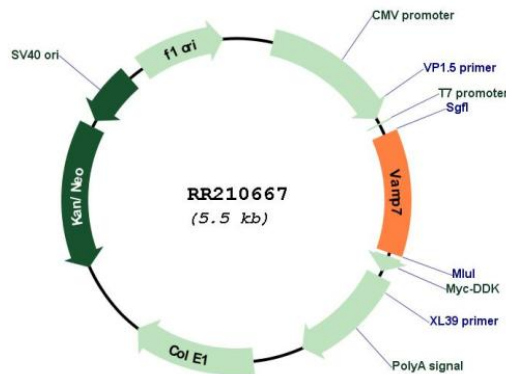
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053531

ORF Size: 660 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:	NM_053531.1 , NP_445983.1
RefSeq Size:	663 bp
RefSeq ORF:	663 bp
Locus ID:	85491
UniProt ID:	Q9JHW5
Cytogenetics:	12q11
MW:	24.8 kDa
Gene Summary:	member of the SNARE family of proteins; displays insensitivity to tetanus toxin; may play a role in degranulation of basophilic leukemia cells [RGD, Feb 2006]