

Product datasheet for **RR214031**

Vps37b (NM_001105928) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps37b (NM_001105928) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vps37b
Synonyms: RGD1304576
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214031 representing NM_001105928
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGGCGCCGTGAGCGAGGCGCGCTTCGGGGGCTGTCGCTGATGCAGCTGCACGAGCTGCTGGAGG
ACGATGCCAGCTCGGCACATGGTGGGGGATGGAGGAGACGCAGACTGTTCCAGCATAACAAAGAGAT
GACTGCTAGCAACCGGAGCCTGGCAGAGGAAACCTTTTGTACCAGCCCAACTGGATGCTCAGAAG
GCGCGCCTGACCCAAAAATACCAGAACTCCAGTTCTCTTTGAGGCCTATCAGATAAAGAAGACCAAAC
TAGATAAACAATCTAACAGCGCTTCCTTGAGACGCTGTTAGCGCTTCTCAAGCAGAAGGGGCCAAGAT
TGAGGAAGACACTGAGAACATGGCAGAGAAGTTTCTGGATGGAGAGCTTCTCTAGATGCCTTTATTGAT
GTCTACCAGAGCAAGCGGAAGCTGGCACACATACGACGTGTCAAAGTGGAGAAGCTCCAGGAGCTGGTGC
TGAAGGGACAGAGACTCCACAAGCCGGGGTCCCACTTCCACCCCGGGTGCCCGAGCCATCACCTGCCAC
CGCCCTTCCCTACCCACCTCTGGAGGCCACTGGGCTCCCTTCTGTTGTGCCTCGGCGCATCCCCCACCT
CCACCCCGGTGCCTGCAGGACAGTAGCCACCCGTTCACTGCTGCCATGGGCTCAGGACAGGCTTCTG
CGTACCCAGGATTACAGTGCCACCTCTGCCTCCAGAGTGGGCTCCCTCTCAGCAAGGATTCTCCAC
ACAGTTGGTGTACCCGTACCCACCAGCCCTGCCCCAGAGACCCCTCCACGGATGGCTCCTCACCAGCCA
GGCTTCATCCTGCAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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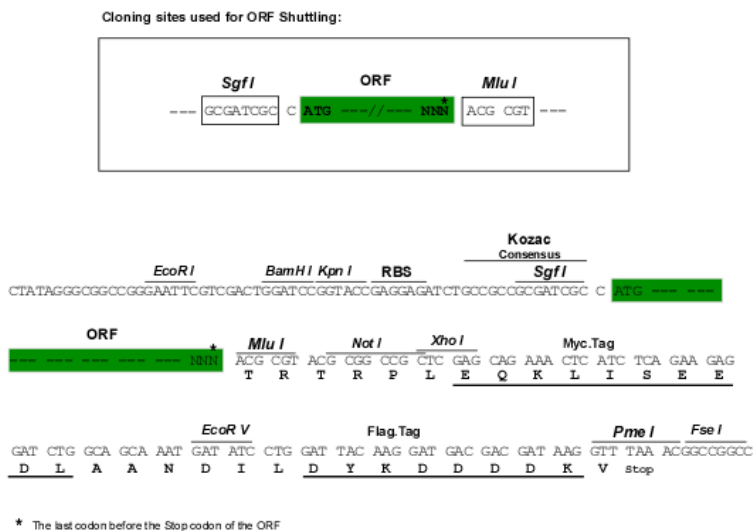
Protein Sequence: >RR214031 representing NM_001105928
Red=Cloning site Green=Tags(s)

MAGAVSEARFAGLSLMLHELLEDDAQLGDMVRGMEETQTVQHNKEMTLASNRLAEGNLLYQPQLDAQK
 ARLTQKYQELQVLFEAYQIKKTKLQKQNSASLETLLALLQAEGAKIEEDTENMAEKFLDGLPLDAFID
 VYQSKRKLAIHRRVKVEKLQELVLKQRLPQAGVPLPRVPEPSPATALPYPPLEATGLPSVVPRIPPP
 PPPVPAGHVATPFTAAMGSGQASAYPGLQCPPLPRVGLPSQQGFSTQLVSPYPPALPQRPPPRMAPHQ
 GFILQ

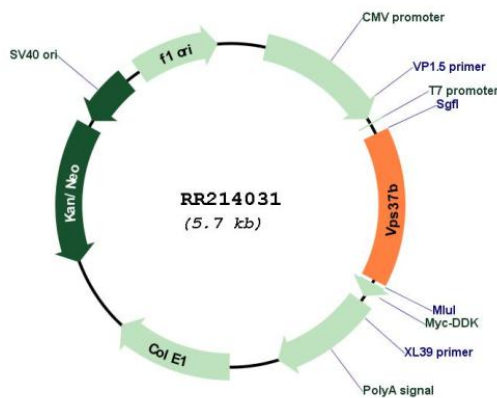
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105928

ORF Size: 855 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_001105928.1 , NP_001099398.1
RefSeq Size:	2520 bp
RefSeq ORF:	858 bp
Locus ID:	288659
Cytogenetics:	12q15
MW:	31.1 kDa