

Product datasheet for **RR213258**

Vps41 (NM_001107355) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps41 (NM_001107355) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vps41
Synonyms:	RGD1560511
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR213258 representing NM_001107355
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAAGCAGAGGAGCAGGAAACTGAGTCTCTTGAAGAATCTACAGATGAGTCAGAGGAAGAGAGTG
AAGAGGAACCCAACTGAAGTATGAAAGGCTTTCTAATGGGGTGACAGAGATTCTTCAGAAAGATGCAGC
AAGCTGTATGACGGTCCATGACAAGTTTTTGGCACTGGGCACACACTATGGCAAGTTTTATTACTGGAC
GTCCAGGGAACATCACTCAGAAGTTTGTGTAAGTCCTGTGAAGATAAACCCAGATCAGCTTGGATGAAA
GCGGAGAACATATGGGCGTGTGCTCGGAGGATGGCAAGCTGCAGGTCTTTGGACTGTACTCTGGAGAAGA
ATTCCATGAGACTTTGACTGTCCCATTAATAATCGTTGCTGTGCACCCCCAGTTCGTGAGATCCAGTTGT
AAGCAGTTCGTGACTGGTGGGAAAAGTTGCTGCTATTTGAACGGACGTGGATGAACAGATGGAAGTCTT
CTGTCTGCACGAAGGGGAAGGGAACATAAAGGAGCGTGAAGTGGAGAGGCCATCTGATTGCCTGGCCAA
CAACATGGGTGTGAAGATTTTTGACATCACCTCAAAGCAAAGAATCACCAACGTTCCCGGAGATGATATA
AGTCTTCGCCAGATATGTATCCCTGCAGCCTCTGCTGGAAGGATGCTGTGACACTGATTATCGGCTGGG
GAACCTCCATCAAGATATGCTCAGTGAAGGAACGCCATGCCAGTGAAGTGAAGGATCTGCCAAGTCGATA
CGTTGAAATAGTGTCTCAATTTGAAACTGAATTCTACATTAGTGGACTTGCACCTCTCTGTGATCAGCTT
GTTGTACTTTCTACGTAAGGAGGTTTTCGGAAAAACGGAAAGAGAATACTGTGCAAGACCGAGACTGG
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GGAGAATGAATGTAGGGATTACCACCTAGAATACTCTGAAGGGGAATCACTCTTCTACGTCGTGAGTCCA
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TGATGTTGATAAAGCAATTGAGTTTGGCAAGGAACAAGATGATGGAGAGCTCTGGGAAGATCTGATTCTA
TATTCCATTGACAAACCACCTTATCACTGGCTTGTGAAACAACATTGGCACACACATGCAGCGGAAGCC
CTTCAGCGTGGTGGTCTTCCATTGTGCGGCATGTTCCACAAGGAGTGCCTACCTATGCCAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RR213258 representing NM_001107355
 Red=Cloning site Green=Tags(s)

MAEAEQETESLEESTDESEEESEEEPKLYERLSNGVTEILQKDAASCMTVHDKFLALGTHYGKVVLLD
 VQGNITQKFDVSPVKINQISLDESGEHMGVCSDEGKLVQVFLYSGEFHEHFDPCIKIVAVHPQFVRSSC
 KQFVTGGKLLLFERTWMNRWKS SVLHEGEGNIRSVKWRGHLIAWANNMGVKIFDITSKQRITNVRDDI
 SLRPDMYPCSLCWKDAVTLIIIGWTSIKICSVKERHASEMRDLPSRYVEIVSQFETEFYISGLAPLCDQL
 VVLSYVKEVSEKTEREYCARPLDIIQPLPETCEEISSDALTVRGFQENECRDYHLEYSEGESLFYVSP
 RDVVVAKERDQDDHIDWLLEKKKYEEALMAAEISHRNIKRHKILEIGLAYVNHVERGEYDMAARKCQKI
 LGKNASLWEYEVYKFEIGQLKAI SPYLP RGD PV LKPLIYEMILHEFLES DYEGFATLIREWPGDLYNNS
 VIVQAVRDHLKKDSQNKTLTKTLAELTYDKNYGNALEIYLTLRHKDVFQLIHKHNLFSISKDKIVLLMD
 FDSEKAVDMLLDNEDKISIKKVVELEDPELQHVVYLHKLFRDHHKQRYHEKQISLYAEYDRPNLLPF
 LRDSTHCPLEKALEICQQRNFVEETVYLLSRMGNSRSALKMIMEELHDVDKAI EFAKEQDDGELWEDLIL
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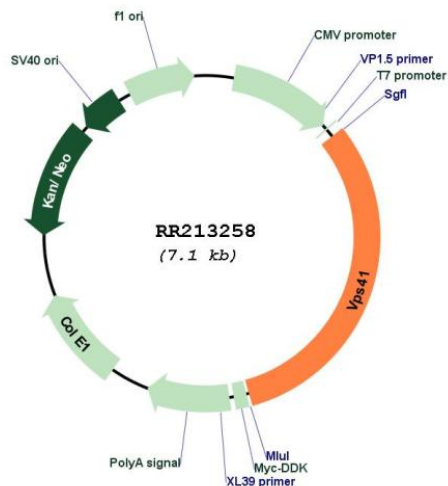
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107355

ORF Size: 2235 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:

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_001107355.1](#), [NP_001100825.1](#)

RefSeq Size: 2925 bp

RefSeq ORF: 2238 bp

Locus ID: 306991

Cytogenetics: 17q11
MW: 86.4 kDa