

Product datasheet for **RN210168**

Vps33a (NM_022961) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps33a (NM_022961) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vps33a
Synonyms:	r-Vps33a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210168 representing NM_022961
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTCACCTGTCATACGGGCGAGTGAACCTGAACGTGCTGCGCGAGGCGGTGCGTCGGGAGCTGC
 GCGAGTTTCTGGACAAGTGCCTGGGAGCAAGGCAATAGTGTGGATGAATACTTAACAGGACCGTTTGG
 ACTGATTGCACAGTACTCACTACTAAAGGAACATGAAGTGAAAAAATGTTACCCTCAAAGGAAGTCGT
 TTGCCAGCGGCTGATGTCAAGAATATCATTTTTTTGGTCAGACCCAGGCTAGAATTAATGGATATGATTG
 CCGAGAACGTACTCAGTGAAGACAGGCGTGGCCCTACCAGGGATTTCCATATTTTGTGTGCTCGTCG
 GAGCCTACTGTGTGAGCAAAGGCTGAAGGACCTGGGTGTGTTGGGATCCTTTATTTATCGAGAGGAGTAC
 AGTTTAGATCTCATTCCATTTGATGGGGACCTCTATCCATGGAGTCAGAGAGCGCTTTCAAAGAATGCT
 ACCTTGAAGGCGACCAGACAAGCCTGTACCACGCAGCCAAGGGGCTGATGACCCTGCAGGCGCTGTATGG
 AACTATCCCCAGATCTTTGGGAAAGGAGAGTGTCTCGCAAGTGGCCAATATGATGGTCAGGATGAAA
 AGGGAGTTTACAGGCAGCCAAAACCTCAGTGTCCCCGTGTTTGATAACCTCTACTGCTTATCGCAACG
 TGGATCTGCTGACGCGCTCGCCTCCCAGCTCACGTACGAAGGACTCATCGACGAGATTTACGGCATTCA
 GAACAGTTATGTGAAGTTACCTCCAGAGAAATTTGCACCCAAGAAGCAGGGCGGTGGTGGCGGGAAGGAC
 CTTCCACAGAGGCAAAGAAGCTTCAGCTCAACTCCGAGAGGAACTCTATGCCGAGATCCGAGACAAGA
 ACTTCAACGCTGTGGGCTCCGTGCTCAGCAAGAAGGCGAAGATCATCTCCGCGGCCTTTGAGGAGCGACA
 CAATGCTAAGACGGTTGGAGAGATCAAGCAATTCGTCTCCAGCTTCCCCACATGCAGGCGGCCAGGGGG
 TCGCTTGCCAACACACCTCAATTGCAGAGTTAATCAAAGACGTCACTACTGAAAGACTTCTTTGATA
 AGTTGACGGTGGAGCAGGAGTTTATGTCCGGGATAGACACCGATAAGGTCAACAATTACATCGAGGACTG
 CATTGCCCAAAGCACCCTCATCAAGTCTGAGATTGGTTTGCCTCCAGTCTGTGTGCAACAGTGGG
 CTCAAGCAGAAGTTCTGGACTACTACAAAAGGAAATTTCCAGACCTACGGCTATGAGCACATACTGA
 CCCTGAACAACCTGGAGAAGGCCGCTGCTAAAGGCTCAGACAGGGGCGAGAAACAACCTACCCAACGAT
 TCGGAAAACATTACGCCTCTGGATGGACGATGTCAATGAACAAAACCCACAGACATATCTACGTGTAC
 AGTGGTTACGCACCACTCAGCGTGCAGCTCGCCAGCTCCTTTCTCGGCCAGGTTGGAGGAGCATCGAGG
 AGGTTCTCCGATTCTCCAGGGCCCACTTTGAAGAAAGGCAGCCACTGCCACCGGGTGCAGAAAGAA
 ACGCCAGCCAGGAGAAAACAGAGTCACTGGTGTGTTTTCTCGGGGGCGTCACTTTGCTGAAATCGCA
 GCCCTGCGTTTTCTCTCCAGCTGGAAGACGGAGGCACAGAGTATGTAATTGCGACCACTAAACTGATAA
 ATGGAAGCAGCTGGCTAGAAGCTCTCATGAAAAGCCTTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022961
- Insert Size:** 1794 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_022961.3](#), [NP_075250.2](#)

RefSeq Size: 2168 bp

RefSeq ORF: 1794 bp

Locus ID: 65081

Cytogenetics: 12q16

Gene Summary: role in vesicle-mediated protein trafficking to lysosomal compartments [RGD, Feb 2006]