

## Product datasheet for **RN213061**

### Vps45 (NM\_172072) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vps45 (NM_172072) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vps45
Synonyms:	Vsp45a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213061 representing NM\_172072  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACGTGGTCTTTGCTGTGAAGCAGTATATTTCCAAAATGATAGAAGACAGCGGACCCGGCATGAAGG  
 TACTTCTCATGGATAAAGAGACGACTGGTATAGTGAGCATGGTCTACACACAGTCAGAGATTCTTCAGAA  
 GGAAGTATACCTCTTCGAACGAATTGATTCTCAAATCGAGAGATCATGAAACACCTAAAAGCAATTTGT  
 TTCCTTCGACCTACAAAGGAGAATGTGGATTCTCTGATCCAGGAGCTCCGAAAGACCAAGTATAGCATAT  
 ATTTTATTTATTTTTCAGTAATGTGATCAGCAAGAGTGACGTGAAGTCCTTGGCTGAAGCTGACGAGCAGGA  
 AGTTGTGGCTGAAGTTCAGGAATTTTATGGAGATTATATTGCTGTGAATCCACATTTGTTTTCCCTCAAT  
 ATCTTGGGCTGCTGTGAGGTCGAAATGGGATCCAGCCAGCTATCCAGAACCCTCAAGGGCTGACCC  
 CTCTCTTTTGTCTCTGAAGAAGTGTCCATGATTCGTTATCAGCTTTCATCAGAGGCTGCAAAGAGACT  
 GGGAGAGTGTGTTAAGCAAGTGATAAGTAAAGAGTATGAACTCTTTGAGTTCGGCGGACAGAGGTTCTCT  
 CCACTGCTTCTCATTCTGGATCGCTGCGATGACGCCATCACCCCACTGCTCAACCAGTGGACATATCAGG  
 CCATGGTCCATGAACTACTGGGCATAAACAACAACCGGATTGATCTTTCCAGAGTGCCAGGAATCAGCAA  
 AGACTTAAGAGAGGTGGTCTGTCCGCTGAAAATGATGAATTCATGCTAATAACATGTACCTGAACTTT  
 GCCGAGATTGGTAGCAATATAAAGAATCTCATGGAAGATTTCCAGAAGAAGAGACCGAAAAGAGCAGCAAA  
 AGCTAGAGTCCATAGCGGACATGAAGGCCCTTGTGAAAATTATCCACAATCAAGAAGATGTCTGGGAC  
 TGTCTCAAAGCATGTGACAGTCGTTGGAGAAGTGTCTCGGTTGGTCAGTGAACGAAACCTGCTGGAGTT  
 TCAGAGGTTGAGCAAGAAGTGGCCTGTCAGAATGACCATCTAGTGTCTTTCAGAATGTGAAGAGACTCC  
 TGCAGAAATCCGAAAGTTACAGAATTTGATGCAGTTCGCCTAGTGATGCTTTATGCTCTCATTATGAGCG  
 CCACAGCAGCAACAGCCTGCCAGGGCTCATAGTGACCTCAGGAGTAAAGGTGTCGCTGAGAAATATCGG  
 AAGCTTGTGTCTGCAGTTGTTGAATATGGTGGTAAACGGGTTAGAGGAAGTGACCTCTTCAGCCCCAAAG  
 ATGCTGTGGCTATTACCAAACAGTTCCTCAAAGGCCTGAAGGGAGTGGAAAATGTGTACACCCAGCACCA  
 GCCTTTTCTGCATGAGACCCTGGACCATCTCATCAAAGGGAAGCTTAAGGAAAACCTCTATCCGTATTTA  
 GGCCCCAGCACACTCAGAGACAGGCCTCAGGACATCATCGTGTTTCGTTATTGGAGGAGCCACCTATGAAG  
 AGGCACTGACAGTCTATAACCTCAACCGTACCCTCCTGGAGTGAGGATCGTTCTGGGAGGAACAACAT  
 ACACAACAAAAAGTTTCTAGAGGAAGTCTGGCTTCTGGGCTGCACAGCCGACGAGAGAGCTCA  
 CAGGCCACCTCAAGGTGAGCAAGCAGAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_172072
- Insert Size:** 1713 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\\_172072.2](#), [NP\\_742069.1](#)

**RefSeq Size:** 2034 bp

**RefSeq ORF:** 1713 bp

**Locus ID:** 64516

**UniProt ID:** [O08700](#)

**Cytogenetics:** 2q34

**Gene Summary:** expressed in brain and testis; may play a role in intracellular vesicle mediated transport [RGD, Feb 2006]