

## Product datasheet for **RN208557**

### **Slc18a3 (NM\_031663) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc18a3 (NM_031663) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc18a3
Synonyms:	rVAT; VACht
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208557 representing NM\_031663  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAACCCACCGCCAAACCGTCAAGCCGGCGGCCACCAAACGTGCGAAGCGGTGGGAGCCG  
 CGCTACAAGAGCCCAGAGGCAGCGCGCTGGTCTGGTCATCGTGTGGTTGCACTGTTACTGGACAA  
 CATGTTGTACATGGTCATCGTGCCATTGTTCCCGACTATATCGCCACATGCGCGGGGAGCAGGGG  
 CCGACCTGGTCTCTGAGGTGTGGAAACCACTCTGCCGCGCCCACTCTGGCTAATGCCAGTGCCTACT  
 TGGCCAACACGTGCGGCTCCCGACGGCTGCCGGTGGCTCGGTCAATCCTGCGACCTCGTACCCAC  
 AGAAAGCGAAGATGTGAAGATAGGTGTGCTGTTTGCCTCAAGGCTATCCTGCAGCTTCTGGTGAACCC  
 TTAAGCGGCCTTTCATTGATCGCATGAGCTACGACGTGCCGCTGCTTATAGGCTGGGCGTCATGTTCC  
 CCTCCACAGTCATGTTTGCCTTTCGAGAAGACTATGCCACGCTCTCGCTGCGCGCAGTCTACAAGCCT  
 GGGCTCGGCCTTCGCGGACAGTCTGGCATTGCCATGATCGCCGACAAGTATCCCGAGGAGCCTGAGCGC  
 AGTCGTGCCCTGGGCGTGGCGCTAGCCTTTATTAGCTTTGGAAGCCTAGTGGCGCCACCGTTTGGGGCA  
 TCCTCTACGAGTTCGCGGCAAGCGTGTACCCTTTCTAGTGCTCGCCGCTGTGTCCCTTTTCGACGCGCT  
 CCTGCTCCTGGCGGTGGCTAAGCCCTTCTCGGCTGCGGCTCGGGCGGAGCCAACCTGCCGTGGGCACA  
 CCTATCCATCGCCTCATGCTAGACCTTACATCGCTGTGGTAGCCGGCGCGCTCACCACTTGAACATTC  
 CCCTTGGCTTCTCGAGCCACCATAGCCACGTGGATGAAGCACACAATGGCCGCATCCGAGTGGGAGAT  
 GGGCATGGTTGGCTGCCGGCTTTCGTGCCACAGTGTAGGCGTCTACCTACCGTGGCCTGGCGCG  
 CGTTATCCACACCTGCAGTGGCTGACGGCGCTCTCGGCTAGCGGTAATTGGAGTGAGCTTTGCGTGC  
 TACCTGCCTGTGCTCATTGCGCGCTTAGTGGTCTCGCTCTCGGACTCTGCTTCGGACTCGCCTTAGT  
 GGACACAGCGCTCTACCCAGCTCGCCTTTCTGGTGGACGTGCCACAGTATCCGTCTATGGCAGTGTC  
 TATGCCATAGCTGACATCTCTATTCTGTGGCCTACGCGCTCGGGCCATAGTGGCAGGCCACATCGTTC  
 ACTCTCTTGGCTTTGAGCAGCTCAGCCTGGGCATGGGCCTGGCCAACTGCTCTACGCACCACTCTTCT  
 TCTTTTGCGAATGTAGGCTCCTTACACGCTCGGTTTCGGAGCGGATGTGTTGCTTGTGAACCGCCG  
 CAGGGTCTGTACGACGGTGGCCTGCGTGGGTGACGGCAAGGATGGCGGCAACCTTGTAGCCAC  
 CTGGCCCTTTGACGGGTGCGAGGACGACTACAATACTACTCCCGCAGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031663

**Insert Size:** 1593 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\\_031663.2](#), [NP\\_113851.1](#)

**RefSeq Size:** 2871 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 60422

**UniProt ID:** [Q62666](#)

**Cytogenetics:** 16p16

**Gene Summary:** a vesicular acetylcholine transporter involved in concentrating acetylcholine into synaptic vesicles [RGD, Feb 2006]