

Product datasheet for **RR208557**

Slc18a3 (NM_031663) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR208557 representing NM_031663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACCCACCGCCAAACCGGTCAGGCCGGCGGCCACCAAACGTGCGAAGCGGTGGGAGCCG
 CGCTACAAGAGCCCAGAGGCAGCGCGCCTGGTCTGGTCATCGTGTGGTTGCACTGTTACTGGACAA
 CATGTTGTACATGGTCATCGTGCCATTGTTCCCGACTATATCGCCACATGCGCGGGGAGCAGGGG
 CCGACCTGGTCTCTGAGGTGTGGAAACCACTCTGCCGCGCCCACTCTGGCTAATGCCAGTGCCTACT
 TGGCCAACACGTGGCGTCCCGACGGCTGCCGGTGGCTCGGTCAATCCTGCGACCTCGTACCCAC
 AGAAAGCGAAGATGTGAAGATAGGTGTGCTGTTTGCCTCAAGGCTATCCTGCAGCTTCTGGTGAACCC
 TTAAGCGGCCTTTCATTGATCGCATGAGCTACGACGTCCGCTGCTTATAGGCTGGCGTCATGTTCC
 CCTCCACAGTCATGTTTGCCTTTCGAGAAGACTATGCCACGCTCTCGCTGCGCGCAGTCTACAAGCCT
 GGGCTCGGCCTTCGCGGACAGCTTGGCATTGCCATGATCGCCGACAAGTATCCCGAGGAGCCTGAGCGC
 AGTCGTGCCCTGGCGTGGCGCTAGCCTTTATTAGCTTTGGAAGCCTAGTGGCGCCACCGTTTGGGGCA
 TCCTCTACGAGTTCGCGGCAAGCGGTACCCCTTCTAGTGTCTGCCGCTGTGTCCCTTTTCGACGCGCT
 CCTGCTCCTGGCGGTGGCTAAGCCCTTCTCGGCTGCGGCTCGGGCGGAGCCAACCTGCCGGTGGGCACA
 CCTATCCATCGCCTCATGCTAGACCCCTTACATCGCTGTGGTAGCCGGCGCGCTCACCACTTGAACATTC
 CCCTTGCCTTCTCGAGCCACCATAGCCACGTGGATGAAGCACACAATGGCCGATCCGAGTGGGAGAT
 GGGCATGGTTGGCTGCCGGCTTTCGTGCCACAGTGTAGGCGTCTACCTACCGTGGCGCTGGCGGG
 CGTTATCCACACCTGCAGTGGCTGTACGGCGCTCTCGGGCTAGCGGTAATTGGAGTGAAGTCTTGGCTG
 TACCTCGCTGTGCTCATTGCGCCGTTAGTGGTCTCGCTCTGCGGACTCTGCTTCGGCATCGCTAGT
 GGACACAGCGCTCTACCCAGCTCGCCTTTCTGGTGGACGTGCGCCACGTATCCGTCTATGGCAGTGT
 TATGCCATAGCTGACATCTCCTATTCTGTGGCCTACGCGCTCGGGCCATAGTGGCAGGCCACATCGTTC
 ACTCTCTTGGCTTGGAGAGCTCAGCCTGGGCATGGGCCTGGCCAACTGCTCTACGCACCACTCTCT
 TCTTTTGCCAATGTAGGCTCCTTACACGCTCGGTTTCGGAGCGCGATGTGTTGCTTGTGAACCGCCG
 CAGGGTCTGTACGACGGTGGCCTGCGTGGGTGACGGCAAGGATGGCGGCAACCTTGTAGCCAC
 CTGGCCCTTTGACGGGTGCGAGGACGACTACAACCTTACTCCCGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208557 representing NM_031663
 Red=Cloning site Green=Tags(s)

MEPTAPTQARAAATKLSEAVGAALQEPQRRLVIVCVALLLDNMLYMVIVIPVDPDIAHMRGGSEG
 PTLVSEVWEPTLPPPTLANASAYLANTSASPTAAGSARSILRPRYPTESEDVKIGVLFASKAILQLL VNP
 LSGPFIDRMSYDVPLLIGLVMFASVVF AFAEDYATLFAARSLQGLGSFAFADTSGIAMIADKYPEEPER
 SRALGVALAFISFGSLVAPPFGGILYEFAGKRVFPLVLA AVSLFDALLLAVAKPFSAAARANL PVGT
 PIHRLMLDPYIAVVAGALTTCNIPLAFLEPTIATWMKHTMAASEWEMGMVWLP AFVPHVLGVYLT VRLAA
 RYPHLQWLYGALGLAVIGVSSCVV PACRSFAPLVVSLCGLCFGIALVDTALLPTLAFV D VRHVS VYGSV
 YAIADISYSVAYALGPVIVAGHIVHSLGFEQLSLGMGLANLLYAPVLLLLLRNVGLL TRSRSERDVLLEDEPP
 QGLYDAVRLREVQKDGGEPCSPGPF DGCEDDYNYYSRS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

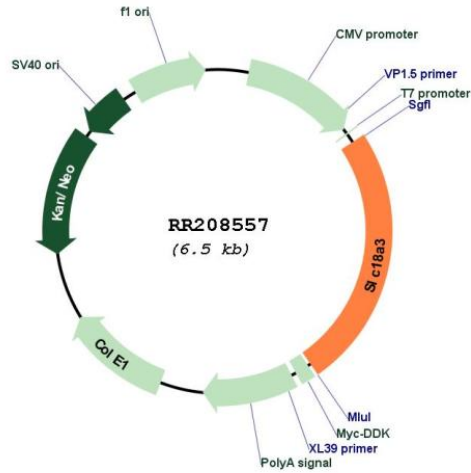
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_031663
ORF Size:	1590 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_031663.2 , NP_113851.1
RefSeq Size:	2871 bp
RefSeq ORF:	1593 bp
Locus ID:	60422
UniProt ID:	Q62666
Cytogenetics:	16p16
MW:	56.5 kDa
Gene Summary:	a vesicular acetylcholine transporter involved in concentrating acetylcholine into synaptic vesicles [RGD, Feb 2006]