

## Product datasheet for **RN204408**

### **Slc5a7 (NM\_053521) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc5a7 (NM_053521) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc5a7
Synonyms:	Cht1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204408 representing NM\_053521  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTTTCCATGTAGAAGGACTAGTAGCGATTATCCTGTTCTACCTTCTATATTTCTGGTTGGAATAT  
 GGGCTGCATGGAAAACCAAAAACAGCGGTAAATGCAAGAAGAACGCAGCGAAGCCATCATAGTTGGGGCCG  
 AGACATTGGTTTTGTTGGTTGGTGGTTTTACCATGACAGCCACCTGGGTTGGAGGAGTTACATCAACGGG  
 ACAGCTGAAGCAGTTTATGGGCCAGTTGTGGTCTAGCTTGGGCTCAGGCACCCATTGGATATTCTCTGA  
 GTCTGATTTTAGGTGGCCTGTTTTTGC AAAACCTATGCGTTCCAAGGGATATGTGACTATGTTAGACCC  
 GTTTCAACAGATCTATGGAAAGCGCATGGGTGGGCTGCTGTTCCCTGCACTGATGGGAGAGATGTTCC  
 TGGGCTGCAGCAATTTCTCTGCATTAGGGCTACCATCAGCGTAATCATTGATGTGGATGTGAACATAT  
 CGGTCATTGTCTCCGCACTATTGCCATTCTTTATACCCTCGTGGGAGGGCTCTACTCTGTGGCATATAC  
 TGATGTTGTACAGCTATTCTGCATTTTTATAGGATTGTGGATCAGTGTCCATTTGCCCTGTCACATCCT  
 GCAGTCACCGACATTGGATTCACTGCTGTGCATGCTAAATACCAGAGTCCCTGGCTGGGAACCATTGAAT  
 CAGTTGAAGTCTACACCTGGCTTGATAATTTCTGTTGTTGATGCTGGGTGGAATACCATGGCAAGCCTA  
 CTTCCAGAGGGTCTCTCTTCATCGTCAGCGACCTATGCTCAGGTGCTGTCTTCTCCAGCCTTTTGGG  
 TGCCCTGGTGATGGCTCTACCAGCATTTCATTGGGGCCATTGGAGCCTCCACAGACTGGAACAAAACCTG  
 CATATGGGTTTCCAGATCCCAAGACCAAGGAGGAAGCAGACATGATTCTCCCGATTGTTCTACAGTACCT  
 CTGCCCTGTGTACATTTCTCTTTGGGCTTGGTGTGTTTCTGCTGCTGCATGTCCTCGGCTGACTCA  
 TCCATCCTATCAGCAAGTCCATGTTTGCTCGGAATATCTACCAGCTTTCCTTCAGACAAAATGCATCAG  
 ACAAGGAAATTGTGGGTCATGAGGATCACTGTGTTTGTGTTTGGAGCATCTGCAACAGCCATGGCCTT  
 GCTCACGAAGACTGTGTATGGGCTCTGGTACCTGAGCTCTGACCTTGTCTACATCATCATCTTCCCACAG  
 CTGCTCTGTACTCTTCATCAAAGGAACCAACTTATGGGGCAGTTGCTGTTATATTTTTGGACTTT  
 TCCTGAGAATTACCGGAGGAGAGCCATATCTATACTTGCAGCCCTTAATCTTCTACCCTGGTTATTACCC  
 TGACAAGAATGGTATATAACAATCAGAGGTTCCCATTTAAAACCTCTCCATGGTTACCTCATTCTTTACC  
 AACATTTGTGTTTCTATCTAGCCAAGTATCTATTTGAAAGTGGAACTTGCCTCCAAAATTAGATATAT  
 TTGATGCTGTTGTCTCAAGGCACAGTGAAGAGAACATGGACAAGACCATTCTAGTCAGAAATGAAAACAT  
 CAAATTAATGAACTTGACCTGTAAGCCTCGACAGAGCCTAACCTCAGTTCAACTTTACCAATAAA  
 GAGGCTCTCCTTGATGTTGATTCCAGTCCAGAGGGATCTGGGACTGAAGATAACTTACAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_053521
- Insert Size:** 1743 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\\_053521.1](#), [NP\\_445973.1](#)

**RefSeq Size:** 4904 bp

**RefSeq ORF:** 1743 bp

**Locus ID:** 85426

**UniProt ID:** [Q9JMD7](#)

**Cytogenetics:** 9q11

**Gene Summary:** high-affinity choline transporter; give choline to nuerons for the synthesis of acetylcholine [RGD, Feb 2006]