

## Product datasheet for **MC219302**

### **Slc5a7 (NM\_022025) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc5a7 (NM_022025) Mouse 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:** >MC219302 representing NM\_022025  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCTTCCACGTAGAAGGACTGGTAGCTATTATCCTCTTCTACCTCCTTATATTTCTGGTTGGAATAT  
GGGCTGCATGGAAAACAAAAACAGCGCAACCCAGAAGAGCGCAGTGAAGCCATCATAGTCGGGGGCCG  
TGACATTGGTTTGGTTGGTGGTTTTACCATGACAGCCACCTGGGTTGGAGGAGGCTACATCAATGGG  
ACAGCAGAAGCAGTGTATGGCCAGTTGTGGTCTAGCTTGGGCTCAGGCACCCATTGGATATTCTCTGA  
GTCTAATTTTAGTGGTCTGTTTTTTCGAAACCTATGCGTTCCAAGGGATATGTGACTATGTTAGACCC  
ATTTCAACAGATCTATGGAAAGCGCATGGGTGGGCTGCTCTTCATCCCTGCACTGATGGGAGAGATGTT  
TGGGCTGCAGCAATTTCTCTGCATTAGGGCCACCATCAGCGTGATCATTGATGTGGATGTGAACATAT  
CGGTCATTGTCTCTGCACTATTGCCATCTTTATACCCTAGTGGTGGGCTCTACTCTGTGGCATAAC  
TGATGTTGTCCAGCTATTCTGCATTTTTATAGGACTGTGGATCAGTGTCCCTTTTGGCCTGTCACATCCT  
GCAGTCACCGACATCGGATTACAGCTGTGCATGCTAAATACCAGAGTCCCTGGCTGGGAACCATTGAAT  
CAGTTGAAGTCTACACCTGGCTTGATAATTTTCTGTTATTGATGTGGTGGGAATCCCATGGCAAGCCTA  
CTTCCAGAGGGTCTCTCTTCATCCTCAGCCACCTATGCTCAGGACTGTCTTCTCCTGGCAGCTTTTGGG  
TGCCCTGGTGATGGCTCTACCCGCCATATGCATAGGAGCTATTGGAGCTTCCACAGACTGGAACCAGACTG  
CCTACGGGTATCCAGATCCCAAGACTAAGGAGGAAGCAGACATGATTCTCCCGATCGTTCTGCAGTACCT  
CTGCCCTGTGTACATCTCCTTCTTTGGGCTTGGTGTCTTTCAGCTGTGTCATGTCCTCAGCTGACTCG  
TCCATCCTGTCCGCGAGTTCTATGTTTGCTCGGAATATCTACCAGCTTTCCTTCCAGACAAAATGCATCAG  
ACAAGGAAATTTGTGGTTCATGAGGACTGCTGTCTTGTGTTCCGAGCATCTGCAACAGCCATGGCTTT  
GCTGACGAAGACTGTGTATGGGCTCTGGTACCTGAGCTCTGACCTTGTCTACATCATCATCTTCCCACAG  
CTGCTCTGTGACTCTTCATCAAAGGAACCAACTTATGGGCGAGTTGCTGGTTATATTTTTGGACTAT  
TCCTGAGAATTAAGGAGAGCCATATCTATACTTGCAGCCCTAATCTTCTACCCTGGTTATTACTC  
TGACAAGAATGGTATATAACAATCAGAGGTTCCCATTTAAACTCTCTCCATGGTTACCTCATTCTTTACC  
AACATTTGTGTTCTTATCTAGCCAAGTATCTATTTGAAAGTGGAACTTGCCTCCAAAATTAGATGTAT  
TTGATGCTGTTGTCGCAAGGCACAGTGAAGAGAACATGGACAAGACCATTCTAGTCAGAAATGAAAATAT  
CAAATTAATGAACTTGCACCTGTGAAACCTCGGCAGAGCCTAACCTCAGTTCAACTTTACCAATAAG  
GAGGCCCTCTTGATGTTGATTCCAGTCCGGAGGGGTCTGGGACTGAAGATAACTTACAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_022025

**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\\_022025.4](#), [NP\\_071308.2](#)

**RefSeq Size:** 5198 bp

**RefSeq ORF:** 1743 bp

**Locus ID:** 63993

**UniProt ID:** [Q8BGY9](#)

**Cytogenetics:** 17 C

**Gene Summary:** Transmembrane transporter that imports choline from the extracellular space to the neuron with high affinity. Choline uptake is the rate-limiting step in acetylcholine synthesis. Sodium ion- and chloride ion-dependent.[UniProtKB/Swiss-Prot Function]