

## Product datasheet for **MC219745**

### **Slc5a5 (NM\_053248) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc5a5 (NM_053248) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc5a5
Synonyms:	NIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219745 representing NM\_053248  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGGCGCGGAGGCAGGGGCCGGCCACCTTCGGCCCTGGGACTACGGCGTGTTCGCGACCATGC  
 TGCTGGTGTCCACGGGCATCGGTCTGTGGTTCGGCCTGGCCCGCGCGGCCAGCGCAGCGCCGACGACTT  
 CTTACCGGGGGCCGGCAGCTGGCGCAGTGCCTGTGGGCTGTCGCTGGCCGCTAGCTTCATGTCGGCT  
 GTGCAGGTGCTCGGGTCCCGCGGAGGCAGCGCCTACGGTCTCAAGTTTCTGTGGATGTGCGTGGGCC  
 AGTTGCTCAATTCGCTGCTCACAGCCTTCTCTTGGCGATCTTACCGCCTGGGCCTTACCAGCAC  
 CTACCAGTACCTAGAAGTGCCTTCAGCCGAGCGGTCCGGCTCTGCGGGACGCTGCAGTACTTGGTGGCC  
 ACGATGCTGTACTGGCATCGTATACGCACCTGCGCTCATCTGAACCAAGTACCGGGTTGGACA  
 TCTGGGCATCGCTCCTGTCCACAGGAATCATCTGCACCTGTACACGACCGTGGGTGGTATGAAGCCGT  
 GGTCTGGACAGATGTGTTCCAGGTTGTGGTAATGCTCGTGGCTTCTGGGTGATCCTGGCTCGAGGTGTC  
 ATGCTCATGGGGGCCCTGGAACGTGCTCAGTCTCGCTCAAACCATTCCCGGATCAACCTGATGGACT  
 TTGACCCTGACCCTCGGAGCCGCTACACCTTCTGGACATTTGTAGTAGGTGGCTCCCTGGTGTGGCTCTC  
 CATGTATGGTGTGAACCAAGCCAGGTGCAGCGTTATGTGGCCTGTACACGGAGAGAAAGGCCAAGCTT  
 GCCCTGCTGTCAACCAGCTTGGCCTTCTCTGATTGTGGCTAGTGCAGCTTGTGTGGAATTGTCATGT  
 TTGTCTACTACAAGGACTGCGACCCCTCTCACAGGCCGATCGCAGCCCCGATCAGTACATGCCATT  
 GCTCGTGTGGACATTTTGGAGATCTGCCCGGAGTCCCGGGCTTCTCTGGCCTGTGCCTACAGTGGC  
 ACCCTCAGCACCGCTCCACCAGTATCAACGCTATGGCAGCTGTAAGTGTGAAGACCTCATCAAGCCCA  
 GGATCGCTAGCTGGCACCCCGGAAGTGGTTTTATCTCTAAAGGGCTCTCATTATCATATGGCTCAAC  
 CTGCCTCACTGTGGCTGCTCTGCTCGTGTGGGAGGTGGGGTCTCCAGGGCTCTTTACCGTGATG  
 GGTGTCATCAGTGGCCCTCTCCTTGGCGTTTTACCCCTCGGGATGCTGCTCCAGCCTGCAACACGCCAG  
 GCGTCTCTCCGGGCTGACAGCAGGCTTAGCTGTATCCCTGTGGGTGGCCGTGGGGGCCACGCTGTACCC  
 GCCTGGAGAGCAGACCATGGGGTGTGCCACCTCGGCTGCGGGATGCACCAATGCCTCTGTCTCCCCG  
 AGCCACCCGGAGCTGCCAACACTTCCAGAGGGATCCCCAGTTCTGGAATGGACTCGGGCCGCCAGCCT  
 TTGCCGACACCTTTTATGCTGTCTCTATCTACTACGGGGCTCTGGTACTTTGACCACTATGCTTTG  
 TGGTGTCTCATCAGTACCTAACTGGCCCCACCAAGCGCAGCTCCCTGGGCCCGGATTACTGTGGTGG  
 GACCTCGCTCGGCAGACAGCATCTGTGGCCCCAAAGGAGGACACCACCCTGGAGGACAGCCTGGTTA  
 AGGGACCGGAAGACATCCCTGCTGCGACCAAGAAGCCCCCTGGTTCAGGCCAGAAGCCGAGACCCACC  
 CCTGTATCTGGGGCAGATGCTGAGACCAACCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1972\\_e10.zip](https://cdn.origene.com/chromatograms/ja1972_e10.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_053248

**Insert Size:** 1857 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\\_053248.2](#), [NP\\_444478.2](#)

**RefSeq Size:** 2943 bp

**RefSeq ORF:** 1857 bp

**Locus ID:** 114479

**Cytogenetics:** 8 B3.3