

## Product datasheet for **RN210616**

### **Slc44a5 (NM\_001134594) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc44a5 (NM_001134594) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc44a5
Synonyms:	RGD1564620
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210616 representing NM\_001134594  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTATCCTACAGACAGCCAGGGACAATTCTGTGGCCAGAAGGGAACCCCAATGAGAACAAGACAG  
 TTCTGTTTTACTTTAACATATTTAGATGTACCGGCACATCCATGATGCTTCGCCTACAGTCTACTAC  
 ACAGATCTGCGTCTCCAGGTGCCAGAGAGATTCTGACCTACGTGGATATGCAAATTTGAACAAAGAA  
 GACAAAACTACTGGAACTACTCGGCAGTTCTGCAAGGCCAGGCCAGGCCTGTGGAGACTCTCGCAG  
 ATCTTCTGTCCAGTGGTACTGCTCTAGCAGTGTACCAAGCAGACCTTTTCTGCAGAGGTGTGCC  
 TGACTTTTCAGCCATCAATGGTAACTTGACTTTAGGAAGCAGGATGCACCTTTGAAGATGGAGGTGGCGAG  
 AAGAGGACCGTGGTAGAACTCAGGGAGGCGCGAGTGGCATTAGTGACGTGATTGACGCCGGGCAATTG  
 GGCTGAAGGTGCTTGAAGACTATTCGACATCGTGAAGTGGATTCTCATCGGCCCTGACTATTGCCATGGC  
 GCTGAGCTGGACGTTTTTGGTACTCCTGAGTTACAGCTGGATTCTCTCTGTTCTTCATATTCGGT  
 GTGCTTGGAAATTATAGGATACGGAATATGGTACTGTTTTCTGGAGTACAACAGCATTGAGCAGAAACAC  
 AGTCCCGCATCTGGATGTACGGCATCGGGATTCAGACGAGGCTGAACATGTTCTTCACTTGAAGGAGAC  
 CTGGTTTTCTATGATGATCATCTTGTACGCCATTGAAGTCGTATCATCATTGTGCTGATCTTCTCAGA  
 ACTCGGATCCAAGTGGCCATTATCCTGCTAAAGGAAGGAAGCAAAGCCATTGGCTACCTTCCCAGTGCCT  
 TAGTCTACCCATTTTTAACCTTCATCTTGTATCAATTTGCATTTCTACTGGGCTGTGACAGCTGTTTT  
 CTTGGCTACATCAGGGGTACCAATATTCAAAGTTATGGTCCCAGAGGGGAATGTATACATGAAGATGAA  
 GCTTGTGACCCAGAGATTTTTCTAACACTGACATCCCCAAAGCCTGCCCGGAGCATCGTGAACCTTTG  
 CTTTCTATGGAGGAAGGAGCATGTACCACAACATACATCGCGACCTCCAGCTCTACAACCTTTTGCCTT  
 CCTTTGGCTCATAAACTTTGTCATTGCCTTGGGTCAAGTGTGCCCTTGTGGTGCCTTTGCTTCATATTAC  
 TGGGCCATGAGAAAACCTGAAGACATCCCGCGGTACCCCTCTTCACTGCGTTTTGGGCGAGCAGTACGAT  
 ACCACACGGGGTCTCTAGCCTTTGGATCTTTGATCCTTGCCTTCGTTTCAGATGTTTAAAGTGATCGTAGA  
 ATACCTGGACAGGCGACTTAAAAAGGCTCAGAACAGTGTCTGCTCAGTTCTGCACTGCTGCCTACGGTGC  
 TGTTTCTGGTGTTTAGAAAAGATGGTGAAGTTTTTAAACAGAAATGCCTACATCATGATTGCATTATATG  
 GCAAAAACCTTCTGTGAGTCCACAAGGGATGCTTTCTATCTGCTCATGAGAAACATTCTAAAAGTCAAAGT  
 TACAGATGAAGTCACTACTTTGTATTACTCCTGGGAAAGTCTAGTTTCTGGGATTGTAGGTGCTTGG  
 GCCTTCTGCTCTTACAGAGAGACTACACGAAATCGTAGAGGGACCAACGAGTTTAAATTACTACTGGG  
 TCCCTTCTGTTAAGAACTGGTACTTTAGTATTGGGTGATTGGCTTCGGCAATGCAAGTGTATTCCC  
 CGGAGTTTTGAAAGGCTTGGAGGTGAAGATCTGGAGAGGAATGATGGGTCTGCAGAGAAACCTTACTTTG  
 TAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001134594

**Insert Size:** 1893 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\\_001134594.1](#), [NP\\_001128066.1](#)

**RefSeq Size:** 2014 bp

**RefSeq ORF:** 1893 bp

**Locus ID:** 365962

**Cytogenetics:** 2q45