

## Product datasheet for **RR209250**

### **Slc17a5 (NM\_001009713) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc17a5 (NM_001009713) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc17a5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209250 representing NM\_001009713  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGCCCTGCTTCGGGTCCGGCGGAAACGATGATGAGAAAGCTCGGACAGACCCCGCTCCTGC  
 CTAGCGCCCGGCAGATCGAAGCGGCTCCAGCATGCTGCTGCTCGGTACAATTTAGCACTGTTGGCGTT  
 CTGTGGTTTCTTCTGTTCTATGCTTTACGGGTGAACCTGAGTGTGGCGTAGTGACATGGTAGATTCC  
 AACAGCACTCTGACTGATAACAGAACTTCCAAGGAGTGTGCGGAACACTCTGCCCGTAAAAGTCCACC  
 ACAACCACACAGGTAAAAAGTACCAGTGGGATGCAGAACTCAAGGGTGGATTCTCGGCTCCTTTTTTA  
 CGGCTACATCGTCACACAGATCCCCGGGGGTACATGGCCAGCAGAATCGGAGGGAAGCTGCTGCTGGGC  
 CTGGGCATCTTAGGCACCGCGTGTTCACCTGTTACACCCCTGGCCGCTGACCTGGGAGTGGTGGCGC  
 TTATCGTCTGAGAGCACTGGAAGGACTCGGGAGGGTGTACGTTTCCGGCTATGCATGCCATGTGGTC  
 CTCTGGGCTCCCCCTCTGAAAGAAGCAAGCTTCTACCATTTCTATGCAGGAGCACAGCTTGGGACA  
 GTAATCTCACTTCTTCCGGAATAATTTGCTACTATATGAATTGGACTTATGTCTTCTACCTTTTTG  
 GTTTAGTTGGAATTGCTGGTTATTTATGGATGTGGATAGTCAGTGATACACCAGAACTCACAAGAC  
 AATCTCCCACTATGAAAAGGAATACATTGTTTCATCATTAAAAATCAGCTTTCTTACAGAAGGTAGTG  
 CCATGGGTATCCATCTTGAAGTCACTGCCACTTTGGGCAATTGTAGTAGCACATTTTCTACAAGTGA  
 CCTTTTACTACTACTGACGTTGTTGCCTACATATGAAAGAAATCCTAAGGTTCAATGTTCAAGAGAA  
 CGGGTTTTATCTGCATTGCCCTATTTGGCTGTTGGTTATGCATGATTGCTGTGGTCAAGCCGCTGAT  
 TATTTAAGAGTCAAGTGAATTTTTCAACCATAAGCGTTCGGAGAATTTTTCCCTCATAGGAATGGTTG  
 GCCCTGCAGTTTTCTAGTCGCGGCTGGATTTATAGGCTGTGACTATTCTTTGGCTGTTGCATTCCTAAC  
 CATATCCACGACGCTGGGAGGCTTCGCCTCTTCTGGATTTAGCATCAACCATCTGGATATCGCCCTTCG  
 TATGCCGCGATCCTCTGGGCATCACAACACGTTTCCACCATTCCCGAATGATTGGGCCATCATTG  
 CTAAGAAGTCTGACCCCTGATAACACTATTAAGGAATGGCAGACTGCTTCTGTATCGCTGCTGCTATTAA  
 CGTGTTCGGCGCCATTTCTTCACTGTTTGCCAAAGGAGAGGTGCAGAACTGGGCTCTCAGTGACCAC  
 CACGGACACGGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209250 representing NM\_001009713  
 Red=Cloning site Green=Tags(s)

MRLLRGPAGNDDEESSDSTPLLP SARQIEAAPACCSARYNLALLAFCGFFVLYALRVNLSVALVDMVDS  
 NSTLTDNRTSKECAEHSAPVKVHHNHTGKKYQWDAETQG WILGSFFYGYIVTQIPGGYMASRIGGKLLLG  
 LGILGTAVFTLFTPLAADLGVVALIVLRALEGLGEGVTFPAMHAMWSSWAPPLERSKLLTISYAGAQLGT  
 VISLPLSGIICYMNWTVYFYLFLVGIWVILWMWIVSDTPETHKTISHYEKEYIVSSLKNQLSSQKVV  
 PWVSILKSLPLWAIVVAHFSYNWTFYLLTLLPTYMKEILRFNVQENGFLSALPYFGWLCMIVCGQAAD  
 YLRVKWNFSTISVRRIFSLIGMVGPAVFLVAAGFIGDYSLAVAFITISTLGGFASSGFSINHLDIAPS  
 YAGILLGITNTFATIPGMIGPIIAKSLTPDNTIKEWQTVFCIAAAINVFGAIFFTLFAKGEVQNWALSDH  
 HGHN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

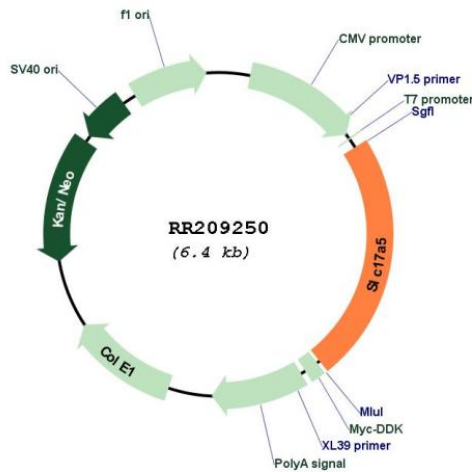
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001009713

ORF Size: 1485 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:**

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\\_001009713.2](#), [NP\\_001009713.1](#)

**RefSeq Size:** 2715 bp

**RefSeq ORF:** 1488 bp

**Locus ID:** 363103

**Cytogenetics:** 8q31

**MW:** 54.3 kDa