

## Product datasheet for **RR205021**

### **Slc37a1 (NM\_001011944) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc37a1 (NM_001011944) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc37a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR205021 representing NM\_001011944  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCGCTCCCCATGGGCGTCCGCTTCATCATCTCCTTCTCCAGGGATCAATGGTACCGGGCTTTCA  
 TTTTATGCTGAGTTCCTGCTCTACGCAAGCTTCCACTTATCCCGAAAGCCTATCAGCATAGTGAAGGG  
 TGAGCTACATAAGCAGTGTGCTGCCGAGATGAGCCTGAACCAAGATTCCGGTGGCCCGAGCAGCAGTACC  
 AGGCGTAGCCCCACCCACTGGCTCCTGAACAACGAGACCGAGACCGACTGTGGTGGGCCCCCT  
 TTGATAAGAACTACCAGCACTGCTTGGAGCCCTGGATTACGCCTTCTGTGTGCCTATGCCATTGG  
 GATGTACCTGAGTGGCATAATAGGGGAACGCTGCCGATTAGGTATTACCTGACTTTTGGGATGCTGGCC  
 AGCGGCGCCTTACAGCCCTGTTCCGCTTGGGCTATTTCTACAACATTCATAGCCTGGGCTTCTACGTGG  
 TGACCCAGATCATTAAATGGACTGGTGCAGACCACAGGCTGGCCAGTGTCTGTCACCTGCCTCAGCAACTG  
 GTTTGAAAAGGAAGCGTGGCCTGATCATGGGGATTTGGAACCTCCACACCTCCGTGGGCAACATTCTG  
 GGGTCTTGATTGCCGGTACTGGGTGTCTACGTGCTGGGCCTGTCAATTATCGTGCCCGGGCCATCG  
 TTGGAGCCATGGGGATAGTGTGCTTTCTTTTCTCATCGAACACCCAAAAGACATCAAGTCTCCTCCAC  
 CCTCCCCACGCATCCCAGAGCCTCCGAGAACGGCATAAACAGATTAGAGTACAGAAGCAAACACACAC  
 AGTGAAAAGAACGGGCTCTGGACCCAGAGCTTCACTGCTTACTGCTCTCCGACGGGAAGAGCCCTCC  
 ACCCGAGCCACATCGTTGCTCCTCCCTGGTGACAGGACCAGCAGCATGGCCGCCATCAGCTTACGGGAGC  
 GCTGAGGATCCCGGGCGTGATCGAGTCTCTGTGTCTGCTGTTGCCAAGCTGGTCACTATACCTTC  
 CTGTTGCTGGCTCCCGCTGTACATCACCATGTAGATCACCTGGACGCAAGAAAGCCGGGAGCTTTCCA  
 CGTTGTTGACGTGGGCGGGATCTTCGGTGAATTCTAGCAGGTGTGATCTGACCGCTGGGAAACG  
 AGCCTCCACCTGTGGTCTGATGCTACTGCTCGCGCACCCACGCTCTATGTGTTCTCCTCCGTACGAAA  
 ATGGGCTAGAAAGCCACCATAGCCATGCTCCTCCTCAGTGGGCGCCTGGTCAAGCGGCGCCTACGCTCTGA  
 TCACCACTGCCGCTCTGACAGCCTGGGACTCACAAGAGTCTGAAAGGAACTCCACGCGCCTATCCAC  
 CGTGACAGCCATCATCGACGGCACCGGGTCTGTAGGAGCTGCCTTGGGGCCCTGCTGGCCGGGCTCATC  
 TCCCTTACAGGATGGAGCAACGTGTTCTACATGCTGATGTTTGCAGATGCCTGTGCCTTACTGTTCTGA  
 TCCGCTCATACACAAGGAACTGAGCTGTCCAGGGTCGGCTACAGTGATCCAGGCTCCGCTGAAGGAGCA  
 C

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205021 representing NM\_001011944  
 Red=Cloning site Green=Tags(s)

MAPLPMGVRFIIISFRDQWYRAIFMLTFLLYASFHLSRKPIISIVKELHKQCAADEPEPRFGPPSSST  
 RRSPTHWLLNNETETETDCGWAPFDKNYQQLGALDYAFLCAYAIGMYLSGIIGERLPIRYLTFGMLA  
 SGAFTALFGLGYFYNIHSLGFYVVTQIINGLVQTTGWPSVVTCLSNWFGKRRRLIMGIWNSHTSVGNIL  
 GSLIAGYWVSTCWGLSFIVPGAIVGAMGIVCFLLFIEHPKDIKCSSTLPTHPRASENGINRFRVQKQTH  
 SEKNGLDPELQCLLLSDGKSPLHPSHIVVLPDRTSSMAAISFTGALRIPGVIEFSLCLLFAKLVSYTF  
 LFWLPLYITNVHDLDKAGELSTLFDVGGIFGGILAGVISDRLEKRASTCGLMLLLAAPTLYVFSVSK  
 MGLEATIAMLGALVSGPYALITTAVSADLGHKSLKGNHALSTVTAIIDGTGVSVAALGPLLAGLI  
 SPSGWSNVFYMLMFADACALLFLIRLIHKELSCP GSATVIQAPLKEH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

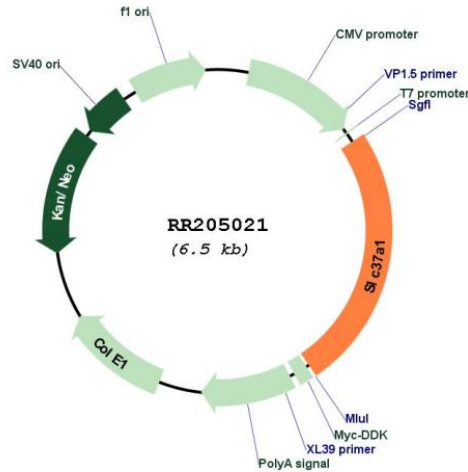
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



**ACCN:** NM\_001011944

**ORF Size:** 1611 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\\_001011944.1](#), [NP\\_001011944.1](#)

**RefSeq Size:** 2957 bp

**RefSeq ORF:** 1614 bp

**Locus ID:** 294321

**Cytogenetics:** 20p12

**MW:** 58.2 kDa