

## Product datasheet for **RN200735**

### **Slc1a4 (NM\_198763) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc1a4 (NM_198763) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc1a4
Synonyms:	ASCT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200735 representing NM\_198763  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGAGACCAACGGATACCTCGACGGCGCCAGGCTCAGCCTGCGGCCCGTCCCCGAACGCCGAGA  
 CGGGGACGAGCAAAGCGCAGCGCTGTGCTAGCTTTTTTCGGCGCAACCGCTGGTGTGCTCACCGTGTC  
 GGGGGTGTGGCGGGCGCCGGCATGGGCGCGGCTTCGCGGGCTGCAGCTCACCCGCACGAAATCACT  
 TACCTGGCCTTCCGGGCGAGATGCTGCTCCGATGCTGCGCATGATCATCTACCCTGGTGGTTTGA  
 GTCTGGTGTGGGCGCCCTCCCTGGACGCCAGCTCCCTCGGGCGTCTGGGTGGCATCGCTGTTGCTTA  
 CTTGCGCCTCACACGCTGAGTGCCTCTGCGCTCGCTGTTGCTCTGGCGTTCATCATCAAGCCAGGAGTG  
 GCGCGCAGACCCCTTATTCCAGCAGCCTGGGGCTGGAGAAGCTCAGAACCCTCCAGTCTCAAAGAGA  
 CAGTGGACTCTTCTGGATTTACTCAGAAACCTGTTCCCTTCCAATCTGTGGTTGCCGATTCTCTAC  
 GTCTGCAACCAGTTACACAGTGGTCCATAACTCCAGCTTGGGGAACGTGACCAAAGAGAAGATCCCC  
 GTCGTCAGTGTGAAAGGGATGAACATCTTAGGACTGGTCTTTTTGCCCTGATGTTAGGAGTGGCTC  
 TAAAGAAGCTAGGCCCGAGGGAGACGAGCTCATCCGATCTTCAATTCCTTCAATGAGGCAACAATGGT  
 GTTGGTGTGCTGGATCATGTGGTACGTACCTATCGGCATCATGTTCTGATCGGAAGCAAGATTGTGGAA  
 ATGCAGGACCTCATCGTGTCTGACTAGCCTCGGAAATACATCTTCGCTCTATACTGGGCCATGTTA  
 TCCATGGAGGAATTGTTCTGCCTTTGTCTATTTTGTCTTTACGAGGAAAAACCGTTACAGTTCCTCT  
 GGGCCTCTCACCCGTTTGGCAGCGCTTTTGGACCTGTTCCAGCTCAGCAACCCTCCGCTCATGATG  
 AAGTGCATCGAGGAAAACAATGGCGTGGACAAGAGGATCAGCAGGTTTCATCTTCCATCGGGCCACAG  
 TCAACATGGATGGGGCCCATCTTCCAGTGTGGCTGCAGTGTTCATCGCCAGCTCAACAACGTGGA  
 CCTGAACGCGGGACAGATTTTACCATTCTGGTGACCGCCACCGCATCCAGTGTGGAGCAGCGGGTGTG  
 CCGGCTGGAGGGTCTCACCATTGCCATCATCTAGAGGCCATTGGACTGCCACGAACGACCTCTCTC  
 TGATCCTGGTGTGGACTGGATTGTGGACAGGACCACCTGTGGTGAACGTGGAAGGGGATGCCCTGGG  
 AGCTGGGATCCTCAACCCTGAATCAGAGGACAGTGAAGAAGGGTGAAGCAGGAGCTGCAAGAAGTGAAG  
 GTGGAAGCCATCCCAATCCAAGTCTGAGGAGGAGACGTCGCCCTGGTACACACCAGAACCAGGGCAG  
 GCCCTGTAGCCGTTGCTCCTGAATCCAAGGAGTCAGTGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_198763
- Insert Size:** 1590 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\\_198763.1](#), [NP\\_942058.1](#)

**RefSeq Size:** 1996 bp

**RefSeq ORF:** 1590 bp

**Locus ID:** 305540

**Cytogenetics:** 14q22

**Gene Summary:** L-serine transporter; involved in uptake of L-serine in primary neurons [RGD, Feb 2006]