

Product datasheet for **RN213933**

Slc6a4 (NM_013034) Rat Untagged Clone

Product data:

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|--------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc6a4 (NM_013034) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc6a4 |
| Synonyms: | SERT |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN213933 representing NM_013034
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGACCACACCCCTTGAATTCTCAGAAAGTGTGTGTCAGAGTGTAAAGACAGAGAGGACTGTCAAGAAA
 ATGGTGTCTACAGAAGGGTGTCCACCACAGCGGACAGGGCAGAGCCTAGCCAAATATCCAATGGGTA
 CTCTGCAGTCCCCAGCACAAGTGCAGGGGACGAAGCTTCACTCGATCCAGCTGCCACCACCACCCCTG
 GTGGCTGAGATTCGCAAGGGGAGCGGGAGACCTGGGGCAAGAAGATGGATTTCTCTGTCCGTATTG
 GCTATGCCGTGGACCTGGGCAACATCTGGCGTTTCTTACATATGCTACCAGAATGGCGGAGGGCCTT
 CCTCTCCCTTATACCATCATGGCCATTTTCGGGGGATCCCGCTCTTTACATGGAGCTCGCACTGGGC
 CAGTACCACCGAAACGGGTGCATTTCCATATGGAGGAAGATCTGCCCGATTTTCAAAGGCATTGGTTACG
 CCATCTGCATCATCGCCTTTTACATCGCCTCTACTACAACACCATCATAGCCTGGGCGCTACTACCT
 CATCTCCTCCCTCACGGACCGGCTGCCCTGGACTAGCTGCACGAACCTCCTGGAACACTGGCAACTGCACC
 AACTACTTCGCCAGGACAACATCACCTGGACGCTGCATTCCACGTCCCCGCTGAGGAGTTCTACTTGC
 GCCATGTCCTGCAGATCCACCAGTCTAAGGGACTCCAGGACCTGGGCACCATCAGCTGGCAGCTGACTCT
 CTGCATCGTGCTCATCTTACCCTAATCTACTTTAGCATCTGAAAGGCGTCAAACATCTGGCAAGGTG
 GTGTGGGTGACAGCCACCTTCCCATACATTGTCCTCTCTGTCTGCTGGTGGGGGGCCACCCTTCTGT
 GAGCCTGGAGAGGGTCTTCTACTTAAACCAACTGGCAGAACTCTTGGAGACAGGGGTGTGGGT
 AGATGCCCGCGCTCAGATCTTCTCTCTTGGCCGGCTTGGGGTCTCTGGCTTTTGCTAGCTAC
 AACAAAGTTCAACAACAACCTGTTACCAAGATGCCCTGGTGACCAGTGTGGTGAAGTGTGCAGAGGT
 TCTCTGGCTTCGTATCTTACCGTGTGGCTACATGGCGGAGATGAGGAATGAAGTGTGCAGAGGT
 GGCCAAAGACGCAGGCCCCAGCCTCCTCTTACATCAGTATGCAGAGGCAATAGCCAACATGCCAGCATCC
 ACGTTCTTGGCCATCATCTTCTCTCATGTTAATCACGCTGGGATTGGACAGCACGTTCCGAGGCTGG
 AAGGTGTGATCACAGCTGTGCTGGATGAGTTCCTCACATCTGGGCCAAGCGCAGGGAATGGTTCGTGCT
 CATCGTGGTATCACGTGCGTCTGGGATCCCTGCTCACACTGACGTGAGGAGGGGCATACGTGGTACT
 CTGCTGGAGGAGTATGCCACGGGCCAGCAGTGTCCCGTGGCCCTCATCGAGGCCGTCGCGGTCTT
 GGTCTATGGAATCACTCAGTTCGACGATGTGAAGGAGATGCTGGGCTTCCAGCCGGGATGGTTTTG
 GAGGATCTGCTGGGTGGCCATCAGCCCTCTGTTTCTCTGTTTATCATTTGCAGTTTTCTGATGAGCCCA
 CCCAGCTACGGCTTTTCAATACAACATCCCCACTGGAGTATCGTCTTGGGCTACTGCATAGGGATGT
 CGTCCGTATCTGCATCCCTACCTATATATATTCGGCTGATCAGCACTCCGGGGACACTTAAGGAGCG
 CATTATTAAGATCACTCCTGAAACCCACAGAAATCCCGTGTGGGGACATCCGCATGAATGCTGTG
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013034
- 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_013034.4](#), [NP_037166.2](#)

RefSeq Size: 2665 bp

RefSeq ORF: 1893 bp

Locus ID: 25553

UniProt ID: [P31652](#)

Cytogenetics: 10q24

Gene Summary: binds serotonin; may play a role in regulation of motor activity [RGD, Feb 2006]