

Product datasheet for **RN210023**

Slc6a3 (NM_012694) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a3 (NM_012694) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a3
Synonyms:	Dat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210023 representing NM_012694
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGAGTAAGACAAATGCTCCGTGGACCAATGTCTTCAGTGGTGGCCCCGGCTAAAGAGTCCAATGCTG
 TGGCCCCAGAGAGGTGGAGCTCATCCTGGTCAAGGAGCAGAACGAGTGCAAGTACCAACTCCACCT
 CATCAACCCGCCACAGACACCAGTGGAGGCTCAAGAGCGGGAGACCTGGAGCAAGAAAATTGATTCCTG
 CTATCAGTCATCGGCTTTGCTGTGGACCTGGCCAAATGTCTGGAGGTTCCCTACCTGTGTACAAAAATG
 GTGGAGGTGCCTTCTGGTGCCTACCTGCTTTCATGGTTATTGCTGGGATGCCCTCTTCTACATGGA
 GCTGGCTCTCGGACAGTCAACAGAGAAGGAGCTGCTGGTGTCTGGAAGATCTGCTCTGCTGAAAGGT
 GTGGGCTTCACTGTTATCCTCATCTCTTCTACGTGGGCTTCTTACAATGTCATCATCGCATGGGCAC
 TGCCTACTTCTCTCCTCCTTACCATGGACCTCCCATGGATCCACTGCAACAACCTGGAATAGCCC
 CAACTGCTCCGATGCCCATGCCAGCAACTCTAGCGACGGCTGGGCTCAATGACACCTTTGGGACCACA
 CCCGCTGCTGAGTACTTTGAGCGTGGCGTGTGCACCTTACCAGAGCCGTGGCATTGATGACCTGGGCC
 CTCCACGGTGGCAGCTCACAGCCTGCCTGGTGTGGTCTTCTGCTCTACTTCAGCCTATGGAAGGG
 AGTAAAGACCTCAGGGAAGGTGGTGTGGATCACAGCTACCATGCCCTATGTGGTCTCACGGCCTGCTC
 CTGCGTGGAGTTACCTTCTGGAGCCATGGATGGCATCAGAGCATACCTCAGTGTGGACTTCTACCGAC
 TCTGTGAGGCATCTGTGTGGATCGATGCTGCCACCCAGGTGTGCTTCTCCTCGGCGTGGGTTGGAGT
 GCTGATTGCCCTTCCAGTTACAATAAGTTCACCAATAACTGCTATAGAGACGCAATCATACCACCTCC
 ATTAACCTCCGTGACAAGCTTCTCCTCTGGCTTCGTGCTTCTCCTTCTGGGGTACATGGCACAGAAGC
 ACAATGTGCCATCAGAGATGTGGCCACAGATGGACCTGGGCTCATCTTATCATCTATCCTGAGGCGAT
 CGCCACACTCCCCTGTCTTCTGCCTGGGCTGCTGCTTCTTCTCATGCTGCTCACTCTGGGTATCGAC
 AGTGCAATGGGGGCATGGAGTCACTGATCACTGGGCTCGTCGATGAGTCCAGCTGCTACATCGGCATC
 GAGAGCTTCACTCTTGGCATTGTCTGGCTACTTTCCTGCTGTCTCTTCTGCGTCACCAACGGTGG
 CATCTACGTCTTCACTGCTGGACCACTTTCAGCTGGCACATCTATCCTTCTTGGCGTCTCATTGAA
 GCCATTGGGGTGGCCTGGTCTACGGGCTCCAGCAATTCAGTGTGACATCAAGCAAATGACAGGGCAGC
 GACCAACCTGTACTGGCGGCTATGCTGGAAGCTGGTCAAGCCCTGCTTCTCCTGTATGTGGTCTGGT
 CAGCATTGTGACCTTCAAGCCCCACACTATGGGGCTACATCTCCAGACTGGGCAATGCCCTGGG
 TGGATCATCGCCACATCCTCCATGGCCATGGTGGCCATTTATGCGACCTACAAGTCTGACGCTGCCGG
 GGTCTTCCGGGAGAACTGGCCTATGCCATCACACCTGAGAAAGACCATCAGCTAGTGGACAGAGGGGA
 GGTGCGCAATTCAGCTGCGTCACTGGCTGTTGCTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1633_c09.zip

Restriction Sites: AscI-MluI

ACCN: NM_012694

Insert Size: 1860 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_012694.2](#), [NP_036826.1](#)

RefSeq Size: 1985 bp

RefSeq ORF: 1860 bp

Locus ID: 24898

UniProt ID: [P23977](#)

Cytogenetics: 1p11

Gene Summary: acts as a sodium-dependent dopamine transporter; may play a role in regulation of dopamine metabolism and signaling [RGD, Feb 2006]