

Product datasheet for **MC219693**

Slc6a3 (NM_010020) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a3 (NM_010020) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a3
Synonyms:	DAT; Dat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219693 representing NM_010020
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTAAAAGCAAATGCTCCGTGGGACCAATGTCTTCTGTGGTGGCCCCGGCTAAAGAGCCCAATGCTG
 TGGGCCCCAGAGAGGTGGAGCTCATCTTGGTCAAGGAGCAGAATGGAGTGCAGCTGACCAACTCCACCCT
 CATCAACCACCCAGACACCAGTGGAGGTTCAAGAGCGGGAGACCTGGAGCAAGAAAATCGATTTCTGT
 CTCTCAGTCATCGGCTTCGCTGTGGACCTGGCCAAATGTCTGGAGGTTTCCCTACCTGTGCTACAAAAATG
 GTGGAGGTGCCTTCTGGTGGCCACTCTTTCATGGTTATTGCCGGGATGCCCTCTTCTACATGGA
 GCTGGCTCTCGGGCAGTTC AACAGAGAAGGAGCTGCTGGTGTCTGGAAGATCTGCCCTGTCTGAAAGGT
 GTGGGCTTCACTGTCATCTCTCTTCTACGTGGGCTTCTTACAATGTCATTCATTGCATGGGCAC
 TGCCTACTTCTTCTCCTTACCATGGACCTCCCATGGATCCACTGCAACAACCTGGAACAGCCC
 CAACTGCTCTGATGCACATAGCAGCAACTCTAGCGATGGCTGGGCTCAACGACACCTTTGGGACCACA
 CCCGCTGCTGAGTATTTGAGCGTGGTGTGCTGCACCTCCATCAGAGTCGTGGCATTGATGACCTGGGCC
 CTCCACGGTGGCAGCTCACAGCCTGCCTGGTGTGGTCTTCTGCTCTACTTCAGCCTGTGGAAGGG
 AGTAAAGACTTCAGGGAAGGTGGTGTGGATCACAGCTACCATGCCCTATGTAGTCTCACAGCCTGCTC
 CTGCGTGGAGTCAACCCTCCCTGGGGCCATGGATGGCATCAGAGCATACCTCAGTGTGGACTTCTACCGTC
 TCTGTGAGGCATCTGTGTGGATCGATGCCGCCACCCAGGTGTGCTTCTCCTTGGCGTTGGGTTGGGGT
 GCTGATTGCCCTTCCAGTTACAATAAGTTCACCAATAACTGCTATAGAGATGCAATCATCACCACCTCC
 ATTAACCTCCGTGACGAGCTTCTCCTCTGGCTTCGTTGTCTTCTCCTTCTGGGGTACATGGCACAGAAGC
 ACAATGTGCCATCAGGGATGTGGCCACAGATGGACCTGGGTTGATCTTCATCATCTACCCTGAGGCAAT
 CGCCACACTCCCCTGTCTT CAGCCTGGGCCGCTGTCTTCTCCTCATGCTGCTCACTCTGGGTATCGAC
 AGTGCCATGGGGGCATGGAGTCTGTGATCACTGGGCTTGTGATGAGTTCAGCTGCTACATCGGCATC
 GAGAGCTTCTCACTCTTGGCATTGTCTGGCTACTTTCCTGCTGTCTCTTCTGTGTCACCAACGGTGG
 CATCTATGTCTTCACTGCTGGACCACTTTCAGCTGGCACATCTATCCTCTTGGAGTGTCTATTGAA
 GCCATTGGGGTGGCCTGGTCTACGGTGTCCAGCAATTCAGTGTGATCAAGCAGATGACTGGGCAGC
 GACCCAACCTGTACTGGCGGCTATGCTGGAAGCTGGTCAAGCCCTGCTTCTTCTGTATGTGGTCTGGT
 CAGCATTGTGACCTT CAGACCCCACTATGGAGCCTACATCTCCAGACTGGGCAATGCCCTGGGC
 TGGATCATTGCCACATCCTCCATGGCCATGGTGGCCATTTATGCCACCTATAAGTTCTGCAGCCTGCCAG
 GGTCTTCCGAGAGAACTGGCCTATGCCATCACCTGAGAAAGACCGCCAGCTAGTGGACAGAGGGGA
 GGTGCGCCAATTCAGCTGCGCCATTGGCTGTTGGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010020
- 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_010020.3](#), [NP_034150.1](#)

RefSeq Size: 3456 bp

RefSeq ORF: 1860 bp

Locus ID: 13162

UniProt ID: [Q61327](#)

Cytogenetics: 13 40.1 cM

Gene Summary: Amine transporter. Terminates the action of dopamine by its high affinity sodium-dependent reuptake into presynaptic terminals.[UniProtKB/Swiss-Prot Function]