

Product datasheet for **MR209484**

Slc6a3 (NM_010020) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR209484 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTAAAAGCAAATGCTCCGTGGGACCAATGTCTTCTGTGGTGGCCCCGGCTAAAGAGCCCAATGCTG
 TGGGCCCCAGAGAGGTGGAGCTCATCTTGGTCAAGGAGCAGAATGGAGTGCAGCTGACCAACTCCACCCT
 CATCAACCACCCAGACACCAGTGGAGGTTCAAGAGCGGGAGACCTGGAGCAAGAAAATCGATTTCTGT
 CTCTCAGTCATCGGCTTCGCTGTGGACCTGGCCAAATGTCTGGAGGTTTCCCTACCTGTGTACAAAAATG
 GTGGAGGTGCCTTCTGGTGCCTACCTGCTTTCATGGTTATTGCCGGGATGCCCTCTTCTACATGGA
 GCTGGCTCTCGGGCAGTTC AACAGAGAAGGAGCTGCTGGTGTCTGGAAGATCTGCCCTGTCTGAAAGGT
 GTGGGCTTCACTGTCATCCTCATCTCTTCTACGTGGGCTTCTTACAATGTCATTCATTGCATGGGCAC
 TGCCTACTTCTTCTCCTCCTTACCATGGACCTCCCATGGATCCACTGCAACAACCTGGAACAGCCC
 CAACTGCTCTGATGCACATAGCAGCAACTCTAGCGATGGCTGGGCTCAACGACACCTTTGGGACCACA
 CCCGCTGCTGAGTATTTGAGCGTGGTGTGCTGCACCTCCATCAGAGTCGTGGCATTGATGACCTGGGCC
 CTCCACGGTGGCAGCTCACAGCCTGCCTGGTGTGGTCTTGTCTACTTACGCCTGTGGAAGGG
 AGTAAAGACTTCAGGGAAGGTGGTGTGGATCACAGCTACCATGCCCTATGTAGTCTCACAGCCCTGCTC
 CTGCGTGGAGTCAACCCTCCCTGGGGCCATGGATGGCATCAGAGCATACCTCAGTGTGGACTTCTACCGTC
 TCTGTGAGGCATCTGTGTGGATCGATGCCGCCACCCAGGTGTGCTTCTCCTTGGCGTTGGGTTGGGGT
 GCTGATTGCCCTTCTCCAGTTACAATAAGTTCACCAATAACTGCTATAGAGATGCAATCATACCACCTCC
 ATTAACCTCCCTGACGAGCTTCTCCTCTGGCTTCGTTGTCTTCTCCTTCTGGGGTACATGGCACAGAAGC
 ACAATGTGCCCATCAGGGATGTGGCCACAGATGGACCTGGGTTGATCTTCATCATCTACCTGAGGCAAT
 CGCCACACTCCCCTGTCTTACGCTGGGCGCTGTCTTCTCCTCATGCTGCTCACTCTGGGTATCGAC
 AGTGCCATGGGGGCATGGAGTCTGTGATCACTGGGCTTGTGATGAGTCCAGCTGCTACATCGGCATC
 GAGAACTTCACTCTTGGCATTGTCTGGCTACTTTCCTGCTGTCTCTTCTGTGTCACCAACGGTGG
 CATCTATGTCTTCACTGCTGGACCACTTTCAGCTGGCACATCTATCCTCTTGGAGTGTCTATTGAA
 GCCATTGGGGTGGCCTGGTCTACGGTTCAGCAATTCAGTGTGACATCAAGCAGATGACTGGGCAGC
 GACCAACCTGTACTGGCGCTATGCTGGAAGCTGGTCAAGCCCTGCTTCTTCTGTATGTGCTGCTGGT
 CAGCATTGTGACCTTCAAGCCCCACACTATGGAGCCTACATCTCCAGACTGGGCAATGCCCTGGGC
 TGGATCATTGCCACATCCTCCATGGCCATGGTGGCCATTTATGCCACCTATAAGTCTGCAGCCTGCCAG
 GGTCTTCCGAGAGAACTGGCCTATGCCATCACCTGAGAAAGACCGCCAGCTAGTGGACAGAGGGGA
 GGTGCGCCAATTCAGCTGCGCCATTGGCTGTTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209484 protein sequence
 Red=Cloning site Green=Tags(s)

MSKSKCSVGPMSVVAPAKEPNAVGPREVELILVKEQNGVQLTNSTLINPPQTPVEVQERETWSKKIDFL
 LSVIGFAVDLANVWRFPYLCYKNGGGAFLVPYLLFMVIAGMPLFYMELALGQFNREGAAGVWKICPVLKG
 VGFTVILISFYVGFYFNVI IAWALHYFFSSFTMDLPWIHCNNTWNSPNCSDAHSSNSSDGLGLNDTFGTT
 PAAEYFERGVLHLHQSRGIDDLGPPRWQLTAQLVLVIVLLYFSLWKGVKTSKGVVWITATMPYVVL TALL
 LRGVTLPGAMDGIRAYLSVDFYRLCEASVWIDAATQVCFSLGVGFVLI AFSSYNKFTNNCYRDAIITTS
 INSLTSFSSGFVVF SFLGYMAQKHNVPIRDVATDGPGLIFI IYPEAIATLPLSSAWAAVFFLMLLTLGID
 SAMGGMESVITGLVDEFQLLHRHRELF TLGIVLATFLLSLFCVTNGGIYVFTLLDHF AAGTSILFGV LIE
 AIGVAFWYGVQFSDDIKQMTGQRPNL YWRLCWKLVS PCFLLYVVVVSIVTFRPPHYGAYIFPDWANALG
 WIIATSSMAMVPIYATYKFCSLPGSFREKLAYAITPEKDRQLVDRGEVRQFTLRHWLLV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010020

ORF Size: 1860 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_010020.2](#)

RefSeq Size: 3456 bp

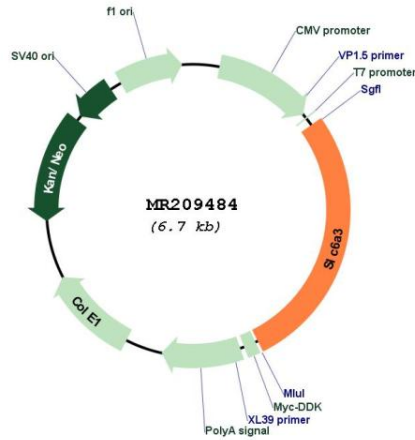
RefSeq ORF: 1860 bp

Locus ID: 13162

UniProt ID: [Q61327](#)

Cytogenetics: 13 40.1 cM
MW: 68.8 kDa
Gene Summary: Amine transporter. Terminates the action of dopamine by its high affinity sodium-dependent reuptake into presynaptic terminals.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209484