

Product datasheet for **SC217226**

Dopamine Transporter (SLC6A3) (NM_001044) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Dopamine Transporter (SLC6A3) (NM_001044) Human 3' UTR Clone
Symbol:	Dopamine Transporter
Synonyms:	DAT; DAT1; PKDYS; PKDYS1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001044
Insert Size:	1971 bp



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Insert Sequence:

>SC217226 3'UTR clone of NM_001044

The sequence shown below is from the reference sequence of NM_001044. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCACGCTCCGCCACTGGCTCAAGGTGTAGAGGGAGCAGAGACGAAGACCCAGGAAGTCATCCTGCAA
TGGGAGAGACACGAACAAACCAAGGAAATCTAAGTTTCGAGAGAAAGGAGGGCAACTTCTACTCTCAA
CCTCTACTGAAAACACAAACAACAAAGCAGAAGACTCCTCTCTTCTGACTGTTTACACCTTTCCGTGCC
GGGAGCGCACCTCGCCGTGCTTGTGTTGCTGTAATAACGACGTAGATCTGTGCAGCGAGGTCCACCCC
GTTGTTGCCCTGCAGGGCAGAAAAACGTCTAACTTCATGCTGTGTGTGAGGTCCTCCCTCCCTG
CTCCCTGCTCCCGCTCTGAGGTCGCCAGGGGCACTGTGTTCTCAGGCGGGATCACGATCCTTGTA
GACGCACCTGCTGAGAATCCCCGTGCTCACAGTAGCTTCTAGACCATTTACTTTGCCATATTAATAA
GCCAAGTGTCTGCTTGGTTTAGCTGTGCAGAAGGTGAAATGGAGGAAACCACAAATTCATGCAAAGTC
CTTCCCGATGCGTGGCTCCAGCAGAGGCCGTAATGAGCGTTCAGTTGACACATTGCACACACAGT
CTGTTCCAGAGGCATTGGAGGATGGGGTCTGGTATGTCTCACCAGGAAATCTGTTTATGTTCTTGCA
GCAGAGAGAAATAAACTCCTTGAAACCAGCTCAGGCTACTGCCACTCAGGCAGCCTGTGGGTCCTTGC
GGTGTAGGGAACGGCCTGAGAGGAGCGTCTCTATCCCCGGACGCATGCAGGGCCCCACAGGAGCGTG
TCCTATCCCCGGACGCATGCAGGGCCCCACAGGAGCATGTCTATCCCTGGACGCATGCAGGGCCCC
ACAGGAGCGTGTACTACCCAGAACGCATGCAGGGCCCCACAGGAGCGTGTACTACCCAGGACGCAT
GCAGGGCCCCACTGGAGCGTGTACTACCCAGGACGCATGCAGGGCCCCACAGGAGCGTGTCTATC
CCCGGACCGGACGCATGCAGGGCCCCACAGGAGCGTGTACTACCCAGGACGCATGCAGGGCCCCAC
AGGAGCGTGTACTACCCAGGATGCATGCAGGGCCCCACAGGAGCGTGTACTACCCAGGACGCATGC
AGGGCCCCATGCAGGACGCTGCAGACACACTCTGCCTGGCCTTGAGCCGTGACCTCCAGGAAGGGA
CCCCACTGGAATTTTATTTCTCTCAGGTGCGTGCCACATCAATAACAACAGTTTTTATGTTTGCAATG
GCTTTTTAAAAATCATATTTACCTGTGAATCAAAACAAATCAAGAATGCAGTATCCGCGAGCCTGCTTG
CTGATATTGCAGTTTTTTGTTTACAAGAATAATTAGCAATACTGAGTGAAGGATGTTGGCCAAAAGCTGC
TTTCCATGGCACACTGCCCTCTGCCACTGACAGGAAAGTGGATGCCATAGTTTGAATTCATGCCTCAAG
TCGGTGGCCTGCCTACGTGCTGCCGAGGGCAGGGCCGTGCAGGGCCAGTCATGGCTGTCCCCTGCA
AGTGGACGTGGGCTCCAGGGACTGGAGTGAATGCTCGGTGGGAGCCGTAGCCTGTGAAGTCCAGGC
AGCTGCAGTTAGCACAGAGGATGGCTTCCCATTCCTTCTGGGAGGGACACAGAGGACGGCTTCCCC
ATCGCCTTCTGGCCGCTGCAGTACAGACAGAGAGCGGCTTCCCCATTGCCTTCTGGGGAGGGACACAGA
GGACAGCTTCCCATCGCCTTCTGGCTGCTGCAGTACAGACAGAGAGCGGCTTCCCATCGCCTTCTGG
GGAGGGCTCCGTGTAGCAACCCAGGTGTTGTCCTGTCTGTTGACCAATCTCTATTCAGCATCGTGTG
GGTCCCTAAGCACAATAAAAGACATCCACAATGGAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_001044.5](#)

Summary:

This gene encodes a dopamine transporter which is a member of the sodium- and chloride-dependent neurotransmitter transporter family. The 3' UTR of this gene contains a 40 bp tandem repeat, referred to as a variable number tandem repeat or VNTR, which can be present in 3 to 11 copies. Variation in the number of repeats is associated with idiopathic epilepsy, attention-deficit hyperactivity disorder, dependence on alcohol and cocaine, susceptibility to Parkinson disease and protection against nicotine dependence.[provided by RefSeq, Nov 2009]

Locus ID:

6531

MW:

72.1