

Product datasheet for **MC219903**

Slc6a4 (NM_010484) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a4 (NM_010484) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a4
Synonyms:	5-HTT; AI323329; Htt; Sert
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_010484, the custom clone sequence may differ by one or more nucleotides

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ATGGAGACCACACCTTTGAATTCTCAGAAAGTGCTGTGTCAGAGTGTAAAGGACAAAGAGGACTGCCAAGAAA
ATGGTGTCTGCAGAAGGGTGTCCCCACACCAGCAGACAAGGCAGAGCCTGGACAATATCCAATGGGTA
CTCCGCAGTCCAGTACAAGCGCTGGGGATGAAGCGCCACACTCTACGCCAGTGCCACCACCACCCTG
GTGGCTGAGATTCACCAAGGGGAACGGGAGACCTGGGGCAAGAAGATGGATTTCCCTCCTGTCTGTCATTG
GCTATGCCGTGGACCTGGGCAACATCTGGCGTTTTCCCTACATATGCTACCAGAATGGTGGAGGGGCCTT
CCTCCTCCCTTACACCATCATGGCCATCTTTGGGGGATCCCGCTCTTCTACATGGAGCTCGCCCTGGGC
CAGTACCACCGAAATGGGTGCATTTCTATATGGAGGAAGATCTGCCCGATTTTCAAAGGCATTGGCTATG
CCATCTGCATCATTGCCTTTTATATCGCCTCCTACTATAACACCATCATAGCCTGGGCGCTCTACTACCT
CATCTCCTCCTTACGGACCAGCTGCCCTGGACCAGTCAAGAAGCTCTTGAACACTGGCAACTGCACC
AACTACTCGCCAGGACAACATCACCTGGACTCCATTCCACGTACCTGCTGAGGAGTTTTACTTGC
GCCATGTCTGCAGATCCATCAGTCAAAGGGACTCCAGGACCTGGGGACCATCAGCTGGCAGCTGGCTCT
CTGCATCATGCTCATCTTACCATTATCTACTTACGATCTGAAAGGAGTCAAAACGTCTGGCAAGGTG
GTGTGGGTGACAGCCACCTCCCTTACATTGTCCTTTCTGTCTGCTGGTGGAGGGAGCCACCCTTCTCTG
GAGCCTGGAGAGGGGTTGTCTTTTACTTGAAACCAACTGGCAGAACTCTTGGAGACAGGGGTGTGGGT
TGATGCTGCGGCTCAGATCTTTTCTCTCTTGGCCCGGGTTTGGGGTCTCTGGCGTTTGCTAGCTAC
AACAAAGTTCAACAACAAGTGTACCAAGATGCCCTGGTGACCAGTGTGGTGAAGTGCATGACGAGCTTGC
TCTCTGGCTTTGTCTTACGGTGCTTGGCTACATGGCTGAGATGAGGAACGAAGACGTGTCCGAGGT
GGCCAAAGACGCGGGCCCGCAGCCTCCTTTTCATCACATATGCGGAGGCAATAGCTAACATGCCAGCATCC
ACATTCTTGGCCATCATCTTCTCCTCATGTTAATCACGCTGGGTTTGGATAGCACGTTTTGCAGGCCTGG
AAGGTGTGATCACAGCTGTGTTGGATGAGTTTCTCACATCTGGGCAAGCGCAGGGAATGGTTTGTGCT
CATCGTGGTCATCACTTGCATCTTGGGATCCCTGCTCACACTGACATCAGGAGGGCGTATGTGGTGACC
CTGCTGGAGGAGTACGCCACGGGGCCAGCAGTGTCTCACTGTGGCTCTCATCGAGGCCGTCGTCGTCTT
GGTTCTATGGAATCACTCAGTTCTGCAGCGACGTGAAGGAAATGCTGGGCTTCCAGCCCCGGATGGTTTTG
GAGGATCTGCTGGGTGGCCATCAGTCTCTGTTTCTCCTGTTTCATCATTGTCAGTTTTTTGATGAGTCCA
CCCCAACTCCGGCTTTTCAATAACAATTATCCCCACTGGAGTATCATCTTGGGCTACTGCATAGGAACAT
CGTCTGCATCTGCATCCCTATATACATCATTTATCGGCTGATCAGCACTCCAGGGACACTTAAGGAGCG
CATTATAAAAGTATCACTCCTGAAACACCAACGAAATCCGCTGTGGGGACATCCGCATGAATGCTGTG
T: AA
    
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Restriction Sites: Sgfl-Mlul
ACCN: NM_010484
Insert Size: 1893 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC108978](#), [AAI08979](#)

RefSeq Size: 2342 bp

RefSeq ORF: 1893 bp

Locus ID: 15567

UniProt ID: [Q60857](#)

Cytogenetics: 11 46.18 cM

Gene Summary: Serotonin transporter whose primary function in the central nervous system involves the regulation of serotonergic signaling via transport of serotonin molecules from the synaptic cleft back into the pre-synaptic terminal for re-utilization. Plays a key role in mediating regulation of the availability of serotonin to other receptors of serotonergic systems. Terminates the action of serotonin and recycles it in a sodium-dependent manner. [UniProtKB/Swiss-Prot Function]