

Product datasheet for **MC202703**

Slc7a10 (NM_017394) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a10 (NM_017394) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a10
Synonyms:	AL024237; Asc-1; D7Bwg0847e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC054765 sequence for NM_017394
 GGCTGCGGGCCGGACAGACGGGGTAGCGCAGGGAAGTGGGATGAGGCGGGACAGCGACATGGCAAGCCAC
 ATACAACAGCCAGGCGGGCACGGGAACCCCGGCCCTGCGCCCTCGCCTTCCCCGGGCCCTGGTCCCCGGCC
 CGGGCGCCTCGGAGCGGGTGGCACTCAAGAAAGAGATCGGGCTGGTGAGCGCTTGCACCATCATCATCGG
 GAACATCATTGGCTCAGGCATCTTCATCTACCCAAGGGTGTCTGGAACACTCGGGCTCCGTGGGTTTG
 GCCCTCTTCGTCTGGGTCTGGTGGGGCGTGACAGCTCTGGGCTCTCTGCTATGCAGAGCTGGGTG
 TCGCCATCCCCAAGTCTGGTGGGACTACGCCTATGCTACTGAGATCTTCGGGGCCTGGCTGGATTCCCT
 ACTGCTCTGGAGTGTCTCTCATCATGTACCCACAGCCTGGCTGTCTCTCATGACCTTCTCCAAC
 TATGTGCTTACAGCTGTCTTCCCAACTGTATCCCCCAGCCACAGCCTCTCGAGTACTCTCCATGGCCT
 GCCTGATGCTCCTGACGTGGGTGAACAGCTCCAGCGTACGCTGGGCCACGCGCATCCAGTTATCTTAC
 TGGTGGGAAGCTGCTGGCGCTGTCTCATCATCACTGTTGGCTTGTCCAGATCTTCCAAGGACTTT
 GAAGAGCTGAGACCCACCAATGCCTTCGCCTTCTGGATGACACCGTCTGTGGGTACCTGGCCCTGGCTT
 TCCTCAAAGTTCTTTTGCCTTCACTGGCTGGAACCTCCTCAACTATGTCACGGAGGAGCTGGTTGACCC
 ACGCAAGAACCTACCTCGTGCCATCTTCATTTCCATCCCCTGGTACCTTTGTGTACACATTACCAAT
 GTCGCCTACTTCACTGCCATGTCCCCCAGGAGTTGCTGTCTCCAACGCCGTGGCGGTGACCTTCCGGC
 AGAAGCTGCTGGGCTACTTTTCGTGGGTATGCCCGTCTCTGTGGCCCTCTACTTTTGGAGGGATCAA
 TGGCTACCTGTTACCTCATCCAGGCTATGCTTCTCTGGAGCCCAGAGGGACACTTACCAGCTTCTCTG
 GCCATGATTATGTACAGCGCTGCACCCCAATCCCTGCCCTCCTTGTCTGTTGCGGGGCCACAGCGGTCA
 TCATGCTCGTGGGTGACACATACACTCATCAACTATGTGTCCTTCACTCAACTACCTCTGCTACGGAGT
 CACTATCTGGGCTGCTTGTGCTGCGCTGGAGACGGCCGGCACTCCACAGGCCCATTAAGGTGAACCTC
 CTCGTTCTGTGTGACTTGGTGTCTGGCATTCTACTGGTCTTCACTTCACTCGGAGCCCATGG
 TCTGTGGGTGCGCATCATCATTATCCTCACTGGGTTCCCATCTTCTTCTGGAGTGTCTGGAGAAG
 CAAACCAAGTGTGTACACAGATTACAGAGTCCATGACACGCTGGGGCCAGGAGCTGTGTTTCTGGT
 TACCCCCAGGGCTCCCTAGAGGAGGAGGAAAATGGCCCATGGGCCAGCCCTCCCATTTGCCATACCGG
 ACAAGCCCTTGAAGACACAATGAGACCTTGTAGAGACTGGAACAGCCGATTCTGTTTACATGTTGTTTAT
 TGAGAAGGGGTTGTGTTTGTGTTTGTGTTTCAAAAATTTTTTTTCTGCAAAAAAAGAGAGAGAGAGAG
 AGAGAGAGAGAGAAAGAGAGACCAACCCTTAGAGGCCTATTGTAAGGGACTGGCCACTGGGGTCCGGCT
 TCCTGCCTTAGCAATGCCCTGCTAGCTTCTCCAGAAATGCCTGTAATAAACAGGGCTGGTTGTTGCTGT
 GTGAAA

Restriction Sites: Ascl-NotI

ACCN: NM_017394

Insert Size: 1593 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:	BC054765 , AAH54765
RefSeq Size:	1947 bp
RefSeq ORF:	1593 bp
Locus ID:	53896
UniProt ID:	P63115
Cytogenetics:	7 21.13 cM
Gene Summary:	Sodium-independent, high affinity transport of small neutral D- and L-amino acids and amino acid-related compounds. May play a role in the modulation of glutamatergic transmission through mobilization of D-serine at the glutamatergic synapse.[UniProtKB/Swiss-Prot Function]