

Product datasheet for **MC219555**

Slc5a10 (NM_001033227) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a10 (NM_001033227) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc5a10
Synonyms:	C330021F16Rik; SGLT5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219555 representing NM_001033227
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGGCAATTCCTACTGGGGATGCCCATGTTCCAGGATCCCAGCTGAGTGTACAGGACATTATTGTCA
 TCTCTGTCTATTTGCCTTGAATGTGGCGTGGGCATATGGTCGGCTTGTGAGCCAACAAGAACACAGT
 GAGCGGCTACTTCTGGCGGGCCGGGACATGGCTTGGTGGCCGATCGGAGCCTACTCTTTGCAAGCAGC
 GAGGGCTCTGGCCTTTCGTAGGATTGGCCGGCTCGGGTGTGCCGAGGCTGGCTGTGGCTGGCTTTG
 AGTGGAATGCCACATATGTGCTTTGGCTCTGGCATGGGTGTTGTACCCATCTACATATCTTCAGAGAT
 CGTCACCTTGCCTGAATACATTCAGAAGCGCTTGGTGGCCAGCGCATCCGCACGTAATTATCTGTCCTG
 TCCCTGATGCTGTCTGTCTTACCAAGATATCGATTGACCTGTACGCAGGAGCCCTGTTGTCCACATCT
 GCCTGGGCTGAACTTCTACCTGTCCACCATCCTCAGCTCGCCATTACGGCCCTGTACACCATTGCAGG
 GGGCCTGGCCACTGTGATATACACAGATGCCCTGCAGACAATCATCATGGTGGTGGGTGCTGTCATTTTG
 GCAGTCAAAGCTTCAACCAGATCGGTGGTTATGAGCAGCTGGAGCGGGGTATGCCAGGCCATCCCTT
 CCAGGACCATCCCCAACACCACCTGCCACCTGCCGCGAGCAGACGCCATGCATATGTTCCGGGACCCCTT
 CACAGGAGACCTCCCGTGGACTGGGATGACCTTTGGTCTGACCATCATGGCCACCTGGTACTGGTGCCT
 GACCAGGTTATTGTGCAGCGGTCCTGTCTGCCCGAACTTGAACCATGCCAAGGAGGCTCCATTCTAG
 CCAGCTACCTGAAGATGCTTCCCATGGGCTGATGATCATGCCAGGCATGATCAGCCGAGTACTGTTCCC
 AGACGATGTGGGCTGTGGTACCATCCGAGTGTCTGCGAGCCTGTGGGGCTGAGATTGGCTGCTCAAC
 ATTGCTACCCGAAGCTGGTTCATGGAGCTGATGCCCATAGGTCTTCGAGGGCTGATGATCGCAGTAATGA
 TGGCTGCTCTCCTGTATCCCTGACCTCCATCTTCAACAGCAGCAGCACGCTTTTCACCATGGACATCTG
 GAGGACGCTTCGGCCAGCGCGGGGAGCGAGAGTTGCTGCTGGTGGGACGGCTGGTTCATCGTGGTGTCT
 ATCGGTGTGAGTGTAGCCTGGATCCCGGTCTGCAGGGCTCTAACAGTGGTTCAGCTTTTCTATCTACATGC
 AGTCAGTGACCAGCTCGCTGGCGCCCTGTACCAGCCATCTTCTGCTGGGCTCTTCTGGAGGAGGGC
 CAATGAACAGGGGGCCTTCTGGGCTGATGGCTGGGCTGGTGGTGGTGGTCTGAGGCTGGTCTGGAA
 TTCCTGTACCCGGAGCCCCGTCGGCCAAATCGATACCCGGCCAGCCCCCTCCGCAGCCTACATTACT
 TGCCTTTGCCATTGCCCTTCTCTCCTCACCTGTGCTGTGATGGCCGCTGGGAGCCTACTGAGCCCGCC
 CCCTCAGCAAAGACAGATTGAAAACCTCACCTGGTGGACTCTGGCTCCAACTGGTCTTAGGAATAAA
 ACAGGTGATGGCCAAACACCCAGAAACGTGCTTCTGGGCCCGGTGTGTAATGTCAACGCCATCTTCC
 TCATGTGTCAACATTTCTTCTATGCCTATTTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033227
- Insert Size:** 1791 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_001033227.2](#), [NP_001028399.1](#)

RefSeq Size: 2261 bp

RefSeq ORF: 1791 bp

Locus ID: 109342

UniProt ID: [Q5SWY8](#)

Cytogenetics: 11 B2

Gene Summary: High capacity transporter for mannose and fructose and, to a lesser extent, glucose, AMG, and galactose.[UniProtKB/Swiss-Prot Function]