

Product datasheet for **MC221007**

Slc5a3 (NM_017391) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a3 (NM_017391) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc5a3
Synonyms:	AA623876; BF642829; Smit1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221007 representing NM_017391
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGCTGTAAGGAGCAGCAGACATTGCCGTAGTGGCCCTGTATTTTATCCTGGTCATGTGCATTG
 GCTTTTTTGCATGTGGAATCTAATAGAAGCACTGTGAGTGGATACTTCTGGCCGGCCGCTCTATGAC
 CTGGGTGGCGATTGGTGCCTCTCTGTTTGTGAGCAATATTGGGAGTGAACACTTCATTGGGCTGGCAGGA
 TCTGGAGCAGCAAGTGGATTTCAGTGGGCGCATGGGAATTCAATGCCTTACTGCTCTTGAACCTCTGG
 GATGGGTTTTATCCCCATTTACATCCGGTCAGGGGTATATACCATGCCTGAATACTTGTCCAAGAGGTT
 CGGTGGCCATAGGATTAGGTCATTTTGCAGCCTTGTCTCTGCTTCTATATCTTACCAAGCTCTCA
 GTGGATCTGTATTCAGGGGCCCTTTTATCCAGGAGTCCCTGGGTGGAACCTTTATGTGTCTGTACCC
 TGCTCATTGGCATGACTGCTCTGCTGACTGTACCAGGAGCCTTGTTCAGTGTCTACACAGACTCT
 GCAGGCCCTGCTCATGATCATTGGGCGCTCACACTTATGGTTATTAGCATGGTGAAGATTGGAGGGTTT
 GAGGAAGTTAAGAGAAGGTACATGTTGGCTCACCTGATGTTGCTTCCATTTTGTGAAGTACAACCTTT
 CCAACACAAATGCTTGTATGGTCCATCCTAAGGCGAATGCCCTAAAAATGTTGAGAGACCAACAGATGA
 AGATGTTCCATGGCCTGGATTATTCTTGGGCAAAACCCAGCCTCGGTATGGTACTGGTGTGCTGACCAA
 GTCATCGTACAGAGGGTCTAGCAGCAAAAACATTGCTCATGCCAAAGGCTCCACTCTAATGGCTGGCT
 TCTTGAAGCTTCTACCAATGTTTATCATAGTGTACCAGGAATGATTTCCAGGATAGTGTGTTGCTGATGA
 GATAGCTTGCATCAACCCAGAACACTGCATGCAAGTGTGTGGAAGCAGAGCTGGCTGCTCCAATATTGCT
 TACCCACGCTGGTGTGACCTTGGTTCCTGTGGCCCTCGGGCCCTGATGATGGCAGTGTGATTGCAG
 CTCTGATGAGTGACTTGGACTCCATCTTTAACAGCGCCAGTACCATATTACCCTCGATGTGTACAAAAT
 TATCCGCAAGAGTGAAGCTCCCGGAACATAATGATTGTGGCAGGATATTTGTGGCTTTTATGGTTGTC
 ATCAGCATAGCATGGGTGCCAATTATTGTGGAGATGCAAGGAGGCCAAATGTACCTTTACATCCAGGAGG
 TGGCAGATTATCTGACTCCTCCCGTGGCAGCCCTCTTCTTCTGGCAATTTTCTGGAAACGCTGCAATGA
 GCAAGGGGCTTTTATGGTGGAAATGGCAGGCTTTGTTCTTGGAGCTGTCCGTTTGATACTGGCTTTTACC
 TACCGTGTCTCTGAGTGTGATCAACCTGATAACAGGCCAGGCTTCATCAAAGACATCCATTATATGTACG
 TGGCTACGGCATTATTTGGATCACAGGACTCATTACTGTGATTGTTAGTCTTCTCACACCCTCCAC
 AAAGATCAGATTCGTACCACTACCTTTTGGTCAAAGAAGACCCTGGTGACAAAGGAGAGCTGTTCTCAG
 AAAGACGAACCATACAAAATGCAAGAGAAGAGCATCCTGCAGTGCAGCGAGAATAGCGAAGTCATCAGCC
 ATACTATTTCCCAACGGGAAGTCTGAAGACAGCATTAAAGGACTGCAACCTGAAGACGTTAATCTGCTGGT
 GACATGCCGAGAAGAGGGCAACCCAGTGGCTTCCATGGGTCAATCAGAGGCGAAGAACACCAAGTAGATGCT
 TATTCCAATGGGCAAGCAGCTCTCATGGGTGAGAGAGAAAAGAGAGAAGGAAACGGAAAATAGAAGCCGGT
 ATTGGAAGTTCATAGACTGGTTTTGTGGCTTTAAGAGTAAAAGCCTTAGCAAGAGGAGCCTCAGAGACTT
 GATGGATGAGGAGGCTGTGTGTTTACAAATGTTAGAAGAGACTCCACAAGTTAAAGTGATCCTAAACATT
 GGACTTTTGTGTGTGTTCACTTGGAAATTTTTCATGTTTGTGTTATTTCTCCTTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017391

Insert Size: 2157 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:	<ol style="list-style-type: none">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:	<u>NM_017391.3</u> , <u>NP_059087.2</u>
RefSeq Size:	10918 bp
RefSeq ORF:	2157 bp
Locus ID:	53881
UniProt ID:	<u>Q9JKZ2</u>
Cytogenetics:	16 C4
Gene Summary:	Prevents intracellular accumulation of high concentrations of myo-inositol (an osmolyte) that result in impairment of cellular function.[UniProtKB/Swiss-Prot Function]