

Product datasheet for **MC217263**

Slc41a1 (NM_173865) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc41a1 (NM_173865) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc41a1
Synonyms:	AI573938; B230315F01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC217263 representing NM_173865
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCCTCTAAGCCAGAGCCAAAGGACATCCACCAGCCGAATGGTACTGGCCCTACTCCTTCTCCCTGTT
 CTTGGATGGCCCTGGGCGAGAGCCCTTGGCTGGGACCTCAGAGTTCTGGGGCCTGATGGGGTGGAGGT
 GGATGATTGAGTCCCGAGCTAACGCCAAGGGAATTCGGGAGGAGGACGCCCTACTGGAGAACGGGAGC
 CAGAGTAACGAGAGTGACGATGTCAGCACAGACCGGGGCCCGGCCACCCTCTCCGCTCAAGGAGACCT
 CCTTTTCCATTGGACTGCAAGTGTGTTCCCTTCTACTGGCAGGCTTTGGGACTGTGGCAGCTGGCAT
 GGTGCTGGACATTGTGCAGCACTGGGAGGTCTCCAGAAGGTGACAGAGGTCTTCATCCTGGTGCCTGCA
 CTGCTGGGGCTCAAAGGGAACCTGGAAATGACCCTGGCGTCGAGGCTGTCCACTGCAGCCAACATTGGAC
 AAATGGACACACCTAAGGAGCTCTGGCGGATGATCACGGGGAATATGGCCCTTATCCAGGTACAAGCCAC
 GGTGGTAGGCTTCTGGCATCCATCGCAGCCGTCGTCTTTGGCTGGATCCCTGATGGCCACTTTAGCATC
 CCACACGCCTTCCTGCTATGCGCCAGCAGTGTGGCTACAGCCTTCATTGCCTCCTTGGTCTGGGTATGA
 TCATGATCGGAGTCATCATTGGGTCTCGAAAGATTGGGATCAACCCAGACAACGTAGCCACGCCCATCGC
 CGCTAGCCTGGGCGACCTCATCACCTTGGCACTCCTCTCAGGCATCAGCTGGGGACTCTACCTGGAAGT
 AAGCACTGGCGATACATCTATCCCTGGTGTGTGCCTTCTTTGTGGCCCTGCTGCCTGTCTGGGTGGTGC
 TGGCCCGAAGAAGCCCGGCCACAAGGGAGGTGTGTATTACAGGCTGGGAGCCTGTATCATTGCTATGGC
 TATCAGCAGTGTGGGAGGTCTCATCCTGGACAAGACCGTCTCGGACCCCAACTTTGCAGGAATGGCTGTC
 TTCACACCTGTGATTAATGGTGTGGGGCAATCTGGTGGCTGTGCAGGCCAGCCGATCTCCACCTTCC
 TCCACATGAACGGCATGCCAGGGGAGAACTCTGAGCCAACTCCTCGCCGCTGCCCGAGTCCATGCACCAC
 CTTCTTCAGCCCTGATGTGAATTCAGCTCGGCCCGTGTCTCTTCTCCTTGTGGTCCCAGGACACCTA
 GTGTTCTCTACACCATCAGCTGTATGCAGGGCGGGCACACCACCTCACCTCATCTTCATCATCTTCT
 ACATGACTGCTGCACTGCTCCAGGTGCTGATTCTCCTGTACATCGCAGACTGGATGGTGCAGTGGATGTG
 GGGCCGGGGCTGGACCCGACAACCTTCTCCATCCCATCTTACTGCTTTGGGGACCTGCTTGGCACC
 GGACTCCTGGCACTCAGTTCCATGTGCTCTGGCTCATTGGGGACAGAGACAGATGTTGGGGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_173865

Insert Size: 1539 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_173865.3, NP_776290.1</u>
RefSeq Size:	4675 bp
RefSeq ORF:	1539 bp
Locus ID:	98396
UniProt ID:	<u>Q8BJA2</u>
Cytogenetics:	1 E4
Gene Summary:	Acts as a magnesium transporter that is responsive to magnesium balance.[UniProtKB/Swiss-Prot Function]