

Product datasheet for **MC221927**

Slc39a10 (NM_172653) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a10 (NM_172653) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a10
Synonyms:	2900042E17Rik; 5430433I10; mKIAA1265
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221927 representing NM_172653
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGTGCATATACACACAAAGTTTTGCCTCATCTGTTTACTGACATTTATTTTCCATCATTGCAACC
 ACTGCCATGAAGACCATGACCATGGCCCTGAGGAGCTTCACAGACATCATCGTGGGATGACAGAGTCAGA
 GTCAAGCAAATTTTCAGTGCAGGATGCTGAAAATGAAAAAAGTACTATATTGAAAACTTTTGACCGT
 TATGGTAAAAATGGAAGATTATCATTTTTTGGTCTGGAGAACTTTTAACAACTTGGGCCTTGGAGAGA
 TCAAAGTCGTTGAGATTAATCACGAGGACCTTGCCCATGATCATGTTTCTCACTTAGACATTCTGGCAGT
 GCAAGAGGGAAAGCATTTCATTTCGCATACCCACCAGCATTTCACAATCATTTAAATGCAGAAAATCAT
 ACTACAACCAGTGTGACATCAAAAAGAAACCACAAATGTATCCAGAGAAAGAGGCAGCTGAAGTCCCA
 TCAAAGCTGATGATAAACACCTGCATGACCGCAATCACCGCTTCCATCATCGCCATCGTTTGCATCATCA
 CCTGGATCACAACACTACTCGTCACGTTTATAATGACTCCGTTGCTCACAGTGAGCATGGGAGCCCGGT
 CACAGCCCTTACCAGAGACCAATAAAACACAAGAGCAGTCTGAAGTGAAGTCAGTGAAGGTCAGGAGGA
 AAGAAAAAGGGAAGAGGAAGAAAGAAACTCGGAGGTTAATACACCAGGTTTCTCCCAACCATGATCA
 CAGTGAACAATATGAGCATAACCGGTTTCAAACTTGACCGTGTACATAGCCCTGGCCATCCTCATGCG
 CATCTTCTGAGCACAGTGGTATGAGCTTGCCATGGACACCAAGAACTTGATCCTGATAATGAAGGTG
 AACTTCGACATACTAGAAAGCGAGAAGCACCACATGTTAGAAAAAGTGCAATTTATTCCACCCCTAGCCA
 CAAAGACCAGAGTGAAGACGACCGCCAGCATGAATGTTTGAACGTCACCTAGTTGTTAAACACTTTGGT
 CTTGGTCCGAACCTCTCCATCTCACCGGATCTATTCACGTACCTTTGCCCTGCATTGCTGTATCAGATCG
 ACAGCAGACTTTGTATTGAACATTTTGACAACTTTTAGTTGAAGATTTAAATAAGGATAAACTCTGGT
 TCCTGAAGATAAGACAAATATAGGGGCATCGGCGTGGATCTGTGGCATCATATCTATCACCGTCATTAGT
 CTGCTTTCTGCTGGGTGTGATTTTGGTTCCTCATCAACCAAGGATGCTTCAAATTCCTTCTCACGT
 TCCTTGTGCACTAGCAGTAGGAACAATGAGTGGAGACGCCCTTCTGCATCTACTGCCCCATTCTCAGGG
 TGGACATGACCACAGTCATCAGCATACGCACGGACATGGTCATTACATGGGCATGAATCTAAGGAGTTT
 TTGGAAGAATATGATGCTGTGTTGAAAGGACTTGTGGCGTAGGAGGCATTTACTTACTGTTTCATCATAG
 AACACTGCATTGCAATGTTTAAGCACTACAAGCAACAAAGAGGAAACAGAAATGGTTTATGAAGCAGAG
 CACAGAAGAATCCACTATTGGAAGAAAGCTTTCAGATCATAAGTTAAACAGCACACCGGATGCTGACTGG
 CTCCAACCTCAAGCCCCTTGTGGAACGGATGACTCGGTAGTCTCTGAAGACCGGCTTAATGAGACTGAAC
 TGACGGATTTAGAAGCCCAACAAGAATCCCTCCTAAAAATTACCTGGGTGTGGAGGAAGAGAAATCAT
 GGACCATTTCTCACAGTGATGGACTGCACACCATTCATGAGCACGAGGTCCACGTGACCTCACATAACCAC
 CATGATGAGGATAAAGCAGTGTGAGGAAGCACAGCCACCAGTGGCACCAGACACGCCCATCATTCTC
 ACGGGCCCTGCCACTCCGGCTCAGACCTGAAGGAAACAGGAATAGCCAATATAGCCTGGATGGTGATCAT
 GGGTGACGGCATCCACAACCTCAGTGACGGCTCGCCATTGGGGCAGCTTTCAGCGCGGGGCTGACTGGA
 GGCATCAGCACATCCATAGCCGCTTCTGTGATGAAGTCCACATGAATTAGGTGATTTTGCAGTTCTTC
 TAAAAGCAGGCATGACCGTAAAGCAAGCAATTGTGTACAATCTGCTCTGCCATGATGGCTTACATAGG
 AATGCTCATAGGCACGGCAGTCGGTCAGTATGCCAACAACATCACACTCTGGATCTTCGAATCACTGCC
 GGCATGTTCTCTATGTGGCCTTGGTGGATATGCTTCCAGAAATGCTGCATGGAGATGGTGACCATGAGG
 AGCATGGCTTCTGTCCAGTTGGGCAGTTTATTCTTCAAGATTTAGGACTGCTGTTTGGATTGCGCCATCAT
 GCTGGTTATTGCCCTCTATGAAGACAAAATTGTGTTTGACATCCAGTTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172653

Insert Size: 2502 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_172653.2, NP_766241.2</u>
RefSeq Size:	5003 bp
RefSeq ORF:	2502 bp
Locus ID:	227059
UniProt ID:	<u>Q6P5F6</u>
Cytogenetics:	1 C1.1
Gene Summary:	May act as a zinc-influx transporter.[UniProtKB/Swiss-Prot Function]