

Product datasheet for **RN200752**

Slc39a4 (NM_001077669) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a4 (NM_001077669) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a4
Synonyms:	MGC156705
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200752 representing NM_001077669
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCCCAAAGTCGCTCACACAGGGGCTCTTGTGGCGATGCTGGTGGGCACAGCAGCAATGGTCCAGC
 CCTATCACCTGCTCAGCCTACTCACCTCGGGCCAGGGTGTCTGGATCGAACGGCACTGGACGGCCTGTT
 AAATACGCTGGTGGCCCGTGTGCACTGCACCGACGGCCGTGTGAAAAGTGTCTGTCTGTGGAGACTGCC
 TTGGCTCTAGGCAAACCTGATAAGCCACAGCTTCCCCAGAATCAGTCCTGGAGTCCAGATACATTA
 ACCTCAGTGCCGCCGCTGCCCTTACCTCAACGACCCAGAGAAAACATGCAAGGACATCCGAGCTGGCCT
 CTTGGCCTCTCATGTGGACGATTACCTGGCCAACTGGAGAGTCCAGAGGCCATGACCCTGGGTCTGAGC
 CAGCTACTGCAGAAGATTGAGGCCCATGATGCCAGCAACCCACCAGGGAGGAGACCTGTGTAGATGTT
 CCCAACTGCTGGAGGAGCTGAGGAAGCAGGGTTTCCAGAAGCCCTGGCCTGGTCTTGACAGCCTTGT
 GGATCACGTCCTTAATGGATCCTGCTTCCAAGGCCTGCCTAGCCCTCAGTACTTTGTGGACTTTGTGTT
 AGGCAACTCAGTAGTAAGCCTCGCAATATCACGCTGCCCGAATTGGAGGATTTGATGCATCACCTTGGGG
 TGGGTGGAGAGGATCACAGTGACCATGGTGACCATGTTGACCACAGTCATCTGGACAGGGGAGCCAA
 CCAAGACTCTGAGCTCCATGCTACCCACAACAGCAGCTCCAGTGTATGGGACACGCTGTGCCCTGAGTGC
 AAAGATGTAATGGCTGTGTATGGGCTATCTGAAGAGGCCGGGGTGGAGCCCTCAGGCCTGGGCCAACTGA
 CCCCTGCCTTGGTCCAGCAGCAGCTAAGTGAAGCCTGCAGCTCCAGTCCCATTATCCATGTACAGGACCA
 GCTCAGTCAAGCAGAGAGGTATCTGTATGGCTCTCTGGCCACCCTGCTCATCTGCCTCTGCGCTGTGTT
 GGTCTTCTGCTGCTGACCTGTGCCAAATGCAGCACAGCCACCCACTACATCATGCAGACCTTCTAAGCT
 TGGCTGTGGGTGCACTCACAGGCGATGCTCTCCTGCACCTGATACCCAAGGTGCTGGGATTGCACACGCA
 TAGTGGAGAGGTTCACTCCCACGAGGAGGAGCATTGGTGGACAGTCCACCTGGCGCCTGCTGGCTGTA
 CTTGGAGGCTTCTACATTTTCTCCTGTTTGGAGGCTTCTTCAACCTCTTATTGCCAGAGACCAGGATC
 ATGAGAAAGATGGGCCTTGTAGCCACGGTGGGCACAGCCATGGAATATCACTGCAGCTATCACCCAGCAA
 TCTCCGGCAATCCAAACAGCCCATGAGAGCTCTCGCTCAGACTTGGTGACAGAGGAGACCCCGAACTA
 CTGAACCCAGACACCCGGCGACTGAGAGCAGAGCTGAGAATGTTGCCCTATCTGATCACACTGGGTGACG
 CCGTGCACAACCTTGTGATGGGCTCGCTGTGGGCGCAGCCTTCTCATCCACATGGAAGACTGGGCTGGC
 CACCTCATTGGCAGTGTCTGCCATGAGCTGCCTCACGAACTTGGGGACTTTGCTGCTCTGCTGCATGCC
 GGGCTGACTGTGAAACGTGCGCTTCTGCTGAATCTGGCCTCAGCGCTCACAGCATTGCTGGCCTCTACG
 TGCTCTAGCAGTCGGAGTAGGGCAGGAGGGCGAGACTTGGATTCTGGCGGTAGCCACTGGCCTCTTCT
 TTACGTGGCGCTCTGTGACATGCTCCCAGCCATGATGAATGTGCGGGACCAGCGGCCCTGGCTTCTTTTC
 CTGCTCCACAACGTGGGTCTGCTGGGCGCTGGACCATCTGCTGCTGCTGCTCATTGTACGAAGACAGCA
 TCACCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001077669
- Insert Size:** 1971 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_001077669.1](#), [NP_001071137.1](#)

RefSeq Size: 2238 bp

RefSeq ORF: 1971 bp

Locus ID: 300051

UniProt ID: [A0JPN2](#)

Cytogenetics: 7q34

Gene Summary: Plays an important role in cellular zinc homeostasis as a zinc transporter. Regulated in response to zinc availability (By similarity).[UniProtKB/Swiss-Prot Function]