

Product datasheet for **MC220185**

Slc39a4 (NM_028064) Mouse Untagged Clone

Product data:

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|--------------------|------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc39a4 (NM_028064) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc39a4 |
| Synonyms: | 1600025H15Rik; AU041686; AWMS2; ZIP4 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC220185 representing NM_028064
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCCCAAAGTCGGTACACAGGGACTTGTGTTGGCTCTGCTGGTGGGCACAGTGGCAGTGGCCCGGC
 CCAGGAACCTGCTCAGCCTGCTCGCCTTGGGCCAGGGTGTCTGGATCGCCTGGAAGTGGACGGCCTGTT
 AAATACGCTGGTGGCCCGTGTGCACTGCACCGACGGCCGTGTGAAAAGTGTCTGTCTGTGGAGAATGTC
 TTGGCTCTAGGCAAACCTGACAAGCCACAGCCTGCCCCAGAATCAGTCCTGGAGTCCAGACACATTATTT
 ACCTTAGTGTCTGCTGCCCTACCTTAACAACCCAGAGAAAACATGCAAGGACATCCAAGCTGGCCT
 CTTGGCCTCCCATGTGGACGATTACCTGGCCACACTGGAGAGTCCAGAGGCCATGACCCTGGGTCTGAGC
 CAGCTACTGCAGAAGATTGAGGCCATGCTGCCAGCAACCCACCGGGGAGAAGACCTGTGTAGATCTTC
 CCCAACTGCTGGAGGAGCTGAGGCAGCAGGGTTTCCAAAAGCGCCGGCCTGGTCTTGACTGCCTTGCT
 GGATCATGTCTAATGGTCTCTGCTTCCAAGGCCTGCCTAGCCCTCAGTACTTTGTGGACTTTGTGTTT
 AGGCTACACAGTGTGACCTCCAATATCACGCTGCATGAACTGGAGAATTTGATGCATCACCTTGGGG
 TGGGTGGAGAGGACCACAGTACCATGATGACCACGGTATCATGCTGACCACAGTCATCCGGACAGGAA
 AGCCAGCCACCAAGACTCTGAGCTCCATACTCCCACAACAGCAACTCTAGTGTATGGGACACGCTGTGC
 CTGAGTGCCAAAGATATAATGGCTGTGTATGGGCTATCTGAAGAGGCTGGGGTGGACCCCTCAGGCCTGGG
 CCCAACTGACCCCTGCCTTGGTCCAGCAGCAGCTAAGTGGAGCCTGCAGCCCTACCCCACTATCCGAT
 TCAGGACCAGCTCAGTCAAACAGAGAGGTATCTCTATGGCTCGCTGGCCACCCTGCTCATCTGCCTCTGT
 GCTGTGTTCCGGTCTTCTGCTGCTGACCTGTGCCAAATGCAGCACAGCCACCCACTACATCATGCAGACCT
 TCCTAAGCTTGGCTGTGGGCGCACTTACCGCGATGCTCTTCTGCACCTGATACCAAGTGTGGGACT
 GCACACACATGGTGGAGAGGGTACACCCATGAGGAGGAGGTGGGCGTTGGTGGCAGGCCACCTGGCGC
 CTGCTGGCTGACTTGGAGGCTTCTACATCTTCTCTGTTTGGAGGCTTCTTCAACCTCTTGTGCCCA
 GGGACCAGGATTCTGAGAAAGATGGGCCTGTAGCCATGGTGGGCACAGCCATGGAATATCTCTGCAGCT
 GGCACCAAGCAATCTCCGACAGTCCAAACAGACCCATGAAAGCTCTCGTTCAGACTTGGTGGCAGAGGAG
 ACCCCGGAACCTACTGAACCCAGAGACCCGGCGACTGAGAGCAGAGCTGAGACTGTTGCCCTATCTGATCA
 CACTGGGCGACGCGGTACACAACCTCGCTGACGGGCTCGCTGTGGGCGCCGCTTCTCATCCTCGTGGAA
 GACTGGGCTGGCCACTTATTGGCGGTGTTCTGTGATGAGCTGCCCCATGAACTCGGGGACTTCGCTGCT
 CTGCTGCATGCCGGGCTGAGTGTGAAGCGTGCCTTTTGTGTAATCTGGCCTCAGCGCTCACAGCATTTCG
 CAGGCCTCTACGTGGCTCTAGCAGTCGGAGTAGGCGAGGAGGGCGAGGCTTGGATTCTGGCGGTAGCAAC
 CGGCCTCTTCTTACGTGGCGCTTTGTGACATGCTCCCAGCCATGATGAATGTGCGCGACCAGCGGCC
 TGGCTTCTTTCTGCTCCACAACGTGGGTCTGCTGGGCGGCTGGACCGTCTGCTGCTGCTGCTGCTGCTGCT
 ACGAAGACAACATCACCTT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028064
Insert Size: 1983 bp

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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| 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: | NM_028064.2 , NP_082340.1 |
| RefSeq Size: | 2249 bp |
| RefSeq ORF: | 1983 bp |
| Locus ID: | 72027 |
| UniProt ID: | Q78IQ7 |
| Cytogenetics: | 15 D3 |
| Gene Summary: | Plays an important role in cellular zinc homeostasis as a zinc transporter. Regulated in response to zinc availability.[UniProtKB/Swiss-Prot Function] |