

Product datasheet for **MC216318**

Slc39a8 (NM_001135149) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a8 (NM_001135149) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a8
Synonyms:	4933419D20Rik; AA986696; BIGM103; ZIP-8; Zip8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216318 representing NM_001135149
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCGGGCCGGGCAGTGGCCGGGCTGCTGCTGCTGGCGGCCACCAGCCTGGGACACCCTCGGAGG
 GACCGGAGCTCGCTTTCAGTGAGGATGTGCTGAGCGTGTTCGGGCCCAACCGGAGCCTGTCGGCCCGCA
 GCTGGGGCGCCTGCTGGAGCGTCTGGGGCTGCATCCCAGCAGGAGCGCTGGACCTGGGCCAGCTGCAC
 TTCAACCAGTGTGTCAGCAGAAGACATCTTTTCTTTCATGGTTTCTCAAATGTCACCCAGATAACCA
 GCTCGAATTCTGCCATCTGCCCGCGATCTTACAGCAGCTGAACTTCCATCCCTGCGAGGATCTAAG
 AAAGCACAACGCAAAGCCAGTCTTCCGAAGTCTGGGGCTATGGATTCTGTGAGTACAATTATCAAT
 CTGGCCTCTCTCTGGGATTGATTTAAACCCCTTGATAAAGAAGTCTTATTTCCCAAGATTTAACTT
 ATTTCTGGGACTCGCTATTGGGACTCTTTTCTCAAACGCCATTTCCAGCTTATCCAGAGGCATTTGG
 ATTTAATCCCAAATTGACAATTACGTTGAGAAAGCAGTTGCTGTGTTTGGTGGATTTTACATGCTTTTC
 TTTGTCGAGAGAACACTTAAGATGCTACTGAAAACATATGGCCAGAATGACCATACTCACTTCAGGAATG
 ATGACTTTGGTTCTAAAGAAAAACCCACCAACCCAAAACGTTACCATTGCCTGCAGTCAACGGTGTGAC
 TTGCTATGCCAACCCCGCTGCTACTGAGCCTAACGGACACATCCACTTCGACACTGTCAGCGTTGTATCC
 CTCCAGGATGGAAAAACAGAGCCAAGCTCATGTACCTGTCTGAAGGGGCCAAAACGTGAGAAAATAGGAA
 CAATTGCCTGGATGATCACGCTTTGTGATGCCCTCCACAATTTTCATCGACGGCTTGGCGATTGGGGCATC
 TTGACTTTGTCTCTTCTCAGGGGCTCAGTACGTCCATAGCGATCCTGTGTGAGGAGTTTCTCATGAG
 TTAGGGGACTTTGTGATCTTGTCAATGCAGGAATGAGCACCCGCAAGCCTTGTGTTCAACTTCTCT
 CCGCGTGTCTGCTACGTGGGACTAGCTTTCGGCATTTCGGTGGCAACAATTTGCTCCCAATATTAT
 ATTTGCACTCGCTGGAGGATGTTCTCTACATTTCTCTGGCAGATATGTTTCCAGAGATGAACGACATG
 CTGAGAGAAAAAGTAACTGGAAGACAAACGGATTTACCTTCTCATGATCCAGAATGCAGGGATGTTAA
 CCGGCTTCACTGCCATCTGCTCATCACCTGTACGCAGGAGACATCGAATTGCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001135149

Insert Size: 1389 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_001135149.1](#), [NP_001128621.1](#)

RefSeq Size: 3383 bp

RefSeq ORF: 1389 bp

Locus ID: 67547

UniProt ID: [Q91W10](#)

Cytogenetics: 3 63.04 cM

Gene Summary: Acts as a manganese and zinc influx transporter. Plays a role in manganese reabsorption in the proximal tubule of the kidney and in manganese uptake into the brain.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 through 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.