

Product datasheet for **MC216884**

Slc39a14 (NM_001135151) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a14 (NM_001135151) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a14
Synonyms:	FAD-123; fad123; ZIP-14; Zip14
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216884 representing NM_001135151
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCGGCTGCACCCAGCCCTTCCAAGCTGCCTCCTGTTGGTGTGTTTGGTATATGGAGAAGTCCCC
 CCCAGACTCATGCCTCGTCTGCTGGCCTGCCGCCCTCAGTGCCACCTCCTTCTCGGAAGATCTCATGGA
 CCGCTATGGAAAGAATGACAGCCTTACCCTGACACAGCTGAAGTCCCTGCTCGACCACCTGCATGTGGGA
 GTGGGCCGGGATAATGTTTCCCAGCCCAAGGAAGGACCCAGAACCTCTCCACGTGCTTTAGCTCTGGAG
 ACCTCTTTGCGGCGCACAACTTGAGCGAGCGATCTCAGATCGGGGCGAGTGAGTTCAGGAGTTCTGCC
 CACCATTCTCCAGCAGCTGGATTCCAGGCCTGCACCTCAGAAAACCAGAACTCTGAGGAGAATGAACAG
 ACAGAGGAGGGGAAGCCAAGCGCCATTGAAGTGTGGGGCTTTGGGTTCTCAGTGTCTCACTGATTAACC
 TGGCCTCTCCTGGGAGTCTGGTCTGCCGTGCACGGAGAAAGCGTTTTTCAGCCGTGTGCTCACTTA
 CTTTCATCGCCCTGTCCATTGGAACGCTGCTCTTAACGCCCTTTCCAGCTCATCCAGAGGCTTTTGGC
 TTCAACCCTCAGGACAATTACGTCTCCAAGTCTGCAGTGGTGTGGGGGTTTCTACCTTTCTTTTTCA
 CAGAAAAGATCCTGAAGATGCTCTTGAAGCAGAAAACGAGCACCATCACGGGCATAACCTTTTACCTC
 CGAGACTTCTTCCAAGAAGGACCAGGAGGAGGTGTGACCGAGAAGCTACAGAACGGGGACCTGGAT
 CACATGATCCCTCAGCACTGCAACAGCGAGCTGGATGGCAAGGCGCTGGCACGGACGAGAAGGTCATTG
 TCAACTCCATGTCTGTGCAGGACCTGCAGGCATCCCAGAGTGTGCTACTGGCTCAAGGGGGTCCGCTA
 CTCTGATATCGGGACCTTGGCCTGGATGATCACCTGAGCGATGGGCTCCACAATTTTCATCGATGGCCTG
 GCTATTGGTGCCTCCTTCACTGTGTCTGCTTCCAAGGCATCAGCACGTGAGTGGCCATTCTCTGTGAGG
 AATTCCTCATGAGCTGGGAGACTTCGTATCCTGCTCAATGCTGGCATGAGCATCCAGCAGGCTCTTT
 CTTCAACTTCTCTGCTGCTGCTGCTATTTGGGTCTGGCCTTTGGCATCCTGGCTGGCAGCCACTTC
 TCTGCAAAGTGGATTTTGCAGTGGCTGGAGGAATGTTCTGTATATTGCCCTAGCCGATATGTTCCCTG
 AGATGAATGAAGTCTGCCAGGAGGATGAGAAGAACGACAGCTTTCTGGTCCCCTTTGTCATCCAGAATCT
 TGGCCTCTAACCGGCTTCTCCATTATGCTGGTCTCACAAATGTATTAGGGCAGATTAGATCGGG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001135151
- Insert Size:** 1470 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_001135151.1](#), [NP_001128623.1](#)

RefSeq Size: 4927 bp

RefSeq ORF: 1470 bp

Locus ID: 213053

UniProt ID: [Q75N73](#)

Cytogenetics: 14 D2

Gene Summary: Broad-scope metal ion transporter with a preference for zinc uptake. Also mediates cellular uptake of nontransferrin-bound iron.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes isoform a. Both variants 1 and 2 encode the same isoform. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.