

Product datasheet for **MC216777**

Slc39a14 (NM_001135152) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a14 (NM_001135152) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc39a14
Synonyms:	FAD-123; fad123; ZIP-14; Zip14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC216777 representing NM_001135152
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCGGCTGCACCCAGCCCTTCCAAGCTGCCTCCTGTTGGTGTGTTTGGTATATGGAGAAGTCCCC
 CCCAGACTCATGCCTCGTCTGCTGGCCTGCCGCCCTCAGTGCCACCTCCTTCTCGAAGATCTCATGGA
 CCGCTATGGAAAGAATGACAGCCTTACCCTGACACAGCTGAAGTCCCTGCTCGACCACCTGCATGTGGGA
 GTGGGCGGGATAATGTTTCCCAGCCCAAGGAAGGACCCAGAACCTCTCCACGTGCTTTAGCTCTGGAG
 ACCTCTTTGCGGCGCACAACTTGAGCGAGCGATCTCAGATCGGGGCGAGTGAGTTCCAGGAGTTCTGCC
 CACCATTCTCCAGCAGCTGGATTCCCAGGCCTGCACCTCAGAAAACCAGAACTCTGAGGAGAATGAACAG
 ACAGAGGAGGGGAAGCCAAGCGCCATTGAAGTGTGGGCTTTGGGTTCTCAGTGTCTCACTGATTAACC
 TGGCCTCTCCTGGGAGTCTGGTCTGCCGTGCACGGAGAAAGCGTTTTTCAGCCGTGTGCTCACTTA
 CTTTCATCGCCCTGTCCATTGGAACGCTGCTCTTAACGCCCTTTCCAGCTCATCCAGAGGCTTTTGGC
 TTCAACCCTCAGGACAATTACGTCTCCAAGTCTGCAGTGGTGTGGGGGTTTCTACCTTTCTTTTCA
 CAGAAAAGATCCTGAAGATGCTCTTGAAGCAGAAAAACGAGCACCATCACGGGCATAACCATTTTACCTC
 CGAGACACTTCTTCCAAGAAGGACCAGGAGGAGGTGTGACCGAGAAGCTACAGAACGGGGACCTGGAT
 CACATGATCCCTCAGCACTGCAACAGCGAGCTGGATGGCAAGGCGCTGGCACGGACGAGAAGGTCATTG
 TCAACTCCATGTCTGTGCAGGACCTGCAGGCATCCCAGAGTGTGCTACTGGCTCAAGGGGTCCGCTA
 CTCTGATATCGGGACCTTGGCCTGGATGATCACCTGAGCGATGGGCTCCACAATTTTCATCGATGGCCTG
 GCTATTGGTGCCTCCTTCACTGTGTCTGCTTCCAAGGCATCAGCACGTGAGTGGCCATTCTCTGTGAGG
 AATTCCTCATGAGCTGGGAGACTTCGTATCCTGCTCAATGCTGGCATGAGCATCCAGCAGGCTCTCTT
 CTCAACTTCTCTGCTGCTGCTGCTATTTGGGTCTGGCCTTTGGCATCCTGGCTGGCAGCCACTTC
 TCTGCAAAGTGGATTTTGCAGTGGCTGGAGGAATGTTCTTGTATATTGCCCTAGCCGATATGTTCCCTG
 AGATGAATGAAGTCTGCCAGGAGGATGAGAAGAACGACAGCTTTCTGGTCCCTTTGTCTCCAGAACT
 TGGCCTCTAACCGGCTTCTCCATTATGCTGGTCTCACAATGTATTACGGGCAGATTGAGATCGGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001135152

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: [BC021530](#), [AAH21530](#)

RefSeq Size: 2174 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 (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a). 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.