

Product datasheet for **MR207824**

Slc39a14 (NM_001135152) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR207824 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCGGCTGCACCCAGCCCTTCCAAGCTGCCTCCTGTTGGTGTGTTTGGTATATGGAGAAGTCC
 CCCAGACTCATGCCTCGCTGCTGGCCTGCCGCCCTCAGTGCCACCTCCTTCTGGGAAGATCTCATGGA
 CCGCTATGGAAAAGATGACAGCCTTACCCTGACACAGCTGAAGTCCCTGCTCGACCACCTGCATGTGGGA
 GTGGGCGGGATAATGTTTCCCAGCCAAAGGAAGGACCCAGAACCTCTCCACGTGCTTTAGCTCTGGAG
 ACCTCTTTGCGGCGCACAACTTGAGCGAGCGATCTCAGATCGGGGCGAGTGAGTTCCAGGAGTTCTGCC
 CACCATTCTCCAGCAGCTGGATTCCCAGGCCTGCACCTCAGAAAACCAGAAAGTCTGAGGAGAATGAACAG
 ACAGAGGAGGGGAAGCCAAGCGCCATTGAAGTGTGGGCTTTGGGTTCTCAGTGTCTCACTGATTAACC
 TGGCCTCTCCTGGGAGTCTGGTCTGCCGTGCACGGAGAAAGCGTTTTTCAGCCGTGTGCTCACTTA
 CTTTCATCGCCCTGTCCATTGGAACGCTGCTCTTAACGCCCTTTCCAGCTCATCCAGAGGCTTTTGGC
 TTCAACCCTCAGGACAATTACGTCTCCAAGTCTGCAGTGGTGTGGGGGTTTCTACCTTTCTTTTTCA
 CAGAAAAGATCCTGAAGATGCTTTGAAGCAGAAAAACGAGCACCATCACGGGCATAACCATTTTACCTC
 CGAGACACTTCTTCCAAGAAGGACCAGGAGGAGGTGTGACCGAGAAGCTACAGAACGGGGACCTGGAT
 CACATGATCCCTCAGCACTGCAACAGCGAGCTGGATGGCAAGGCGCTGGCACGGACGAGAAGGTCAATG
 TCAACTCCATGTCTGTGCAGGACCTGCAGGCATCCCAGAGTGTGCTACTGGCTCAAGGGGGTCCGCTA
 CTCTGATATCGGGACCTTGGCCTGGATGATCACCTGAGCGATGGGCTCCACAATTTTCATCGATGGCCTG
 GCTATTGGTGCCTCCTTCACTGTGTCTGCTTCCAAGGCATCAGCACGTGAGTGGCCATTCTCTGTGAGG
 AATTCCTCATGAGCTGGGAGACTTCGTATCCTGCTCAATGCTGCATGAGCATCCAGCAGGCTCTTT
 CTTCAACTTCTCTGCTGCTGCTGCTATTTGGGTCTGGCCTTTGGCATCCTGGCTGGCAGCCACTTC
 TCTGCAAAGTGGATTTTGCAGTGGCTGGAGGAATGTTCTTGTATATTGCCCTAGCCGATATGTTCCCTG
 AGATGAATGAAGTCTGCCAGGAGGATGAGAAGAACGACAGCTTTCTGGTCCCCTTTGTATCCAGAATCT
 TGGCCTCTAACCGGCTTCTCCATTATGCTGGTCTCACAAATGTATTAGGGCAGATTCAGATCGGG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR207824 protein sequence
 Red=Cloning site Green=Tags(s)

MKRLHPALPSCLLLVLFGIWRTPQTHASSAGLPPLSATSFLEDLMDRYGKNDLTLTQLKSLDLHLHVG
 VGRDNVSPKEGPRNLSTCFSSGDLFAAHNLSERSQIGASEFQEFQPTILQQLDSQACTSENQKSEENEQ
 TEEGKPSAIEVWGFGLSVSLINLASLLGVLVLPCTEKAFKSRVLYFIALSIGTLLSNALFQLIPEAFG
 FNPQDNYVSKSAVVFGGFYLFTEKILKMLLKQKNEHHHGHNHFTSETLPSKKDQEEGVTEKLQNGDLD
 HMIPQHCNSELGKAPGTDEKVIIVNSMSVQDLQASQSACYWLKGVRYSDIGTLAWMITLSDGLHNFIDGL
 AIGASFTVSVFQIGISTSVAILCEEFPHELGFVILLNAGMSIQQALFFNFLSACCCYLGLAFGILAGSHF
 SANWIFALAGGMFLYIALADMFPENVEQCQEDEKNSFLVPFVIQNLGLLTGFSIMLVLTMYSGQIQIG

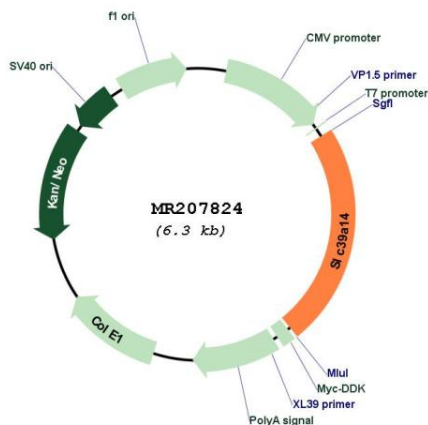
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cytogenetics: 14 D2
 MW: 53.8 kDa
 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]

Product images:



Circular map for MR207824