

Product datasheet for **MG207824**

Slc39a14 (BC021530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a14 (BC021530) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc39a14
Synonyms:	MGC38539, fad123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207824 representing BC021530
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCGGCTGCACCCAGCCCTTCCAAGCTGCCTCCTGTTGGTGTGTTTGGTATATGGAGAAGTCC
 CCCAGACTCATGCCTCGTCTGCTGGCCTGCCGCCCTCAGTGCCACCTCCTTCTCGGAAGATCTCATGGA
 CCGCTATGGAAAGAATGACAGCCTTACCCTGACACAGCTGAAGTCCCTGCTCGACCACCTGCATGTGGGA
 GTGGGCGGGATAATGTTTCCCAGCCCAAGGAAGGACCCAGAACCTCTCCACGTGCTTTAGCTCTGGAG
 ACCTCTTTGCGGCGCACAACTTGAGCGAGCGATCTCAGATCGGGGCGAGTGAGTCCAGGAGTTCTGCC
 CACCATTCTCCAGCAGCTGGATCCCAGGCCTGCACCTCAGAAAACCAGAAAGTCTGAGGAGAATGAACAG
 ACAGAGGAGGGGAAGCCAAGCGCCATTGAAGTGTGGGCTTTGGGTTCTCAGTGTCTCACTGATTAACC
 TGGCCTCTCCTGGGAGTCTGGTCTGCCGTGCACGGAGAAAGCGTTTTCCAGCGTGTGCTCACTTA
 CTTTCATCGCCCTGTCCATTGGAACGCTGCTCTTAACGCCCTTTCCAGCTCATCCAGAGGCTTTTGGC
 TTCAACCCTCAGGACAATTACGTCTCCAAGTCTGCAGTGGTGTGGGGGTTTCTACCTTTCTTTTTCA
 CAGAAAAGATCCTGAAGATGCTCTTGAAGCAGAAAACGAGCACCATCACGGGCATAACCTTTTACCTC
 CGAGACACTTCTTCCAAGAAGGACCAGGAGGAGGTGTGACCGAGAAGCTACAGAACGGGGACCTGGAT
 CACATGATCCCTCAGCACTGCAACAGCGAGCTGGATGGCAAGGCGCTGGCACGGACGAGAAGGTCATTG
 TCAACTCCATGTCTGTGACAGGACCTGCAGGCATCCAGAGTGTGCTACTGGCTCAAGGGGTCGGCTA
 CTCTGATATCGGGACCTTGGCCTGGATGATCACCTGAGCGATGGGCTCCACAATTTTCATCGATGGCCTG
 GCTATTGGTGCCTCCTTCACTGTGTCTGCTTCCAAGGCATCAGCACGTGAGTGGCCATTCTCTGTGAGG
 AATCCCTCATGAGCTGGGAGACTTCGTATCCTGCTCAATGCTGCATGAGCATCCAGCAGGCTCTTT
 CTTCAACTTCTCTGCTGCTGCTGCTATTTGGGTCTGGCCTTTGGCATCCTGGCTGGCAGCCACTTC
 TCTGCAAAGTGGATTTTGCAGTGGCTGGAGGAATGTTCTGTATATTGCCCTAGCCGATATGTTCCCTG
 AGATGAATGAAGTCTGCCAGGAGGATGAGAAGAACGACAGCTTTCTGGTCCCCTTTGTCATCCAGAATCT
 TGGCCTCTAACCGGCTTCTCCATTATGCTGGTCTCACAATGTATTAGGGCAGATTAGATCGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207824 representing BC021530
 Red=Cloning site Green=Tags(s)

MKRLHPALPSCLLLVLFGIWRTAPQTHASSAGLPPLSATSFLEDLMDRYGKNDLTLTQLKSLLDHLHVG
 VGRDNVSQPKGPRNLSTCFSSGDLFAAHNLSERSQIGASEFQEFQPTILQLDSQACTSENQKSENEQ
 TEEGKPSAIEVWGFGLSVSLINLASLLGVLVLPCTEKAFKSRVLTIFYIALSIGTLLSNALFQLIPEAFG
 FNPQDNYVSKSAVVFGGFYLFFTEKILKMLLKQKNEHHHGHNHFTSETLPSKKDQEEGVTEKLQNGDLD
 HMIPQHENSELDGKAPGTDEKVIIVNSMSVQDLQASQSACYWLKGVRYSDIGTLAWMITLSDGLHNFIDGL
 AIGASFTVSFVQIGISTSVAILCEEFPHELGDVILLNAGMSIQQALFFNFLSACCCYLGLAFGILAGSHF
 SANWIFALAGMFLYIALADMFPENVEVCQEDEKNSFLVPFVIQNLGLLTGFSIMLVLTMYSGQIQIG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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: 1469 bp

Locus ID: 213053

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]