

## Product datasheet for **MR210563**

### Slc7a14 (NM\_172861) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a14 (NM_172861) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc7a14
Synonyms:	A930013N06; BC061928
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210563 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGGCTTTCTGGCCTCACTGGACCCGAGGCGGGTACAGTGGGGAGCCGCCTGGTATGCAATGCACT  
 CTCGGATCCTGCGCACCAAAACCAGTGGAGTCCATGCTGGAGGAACTGGGACCACCTCGGCGCATGGTAC  
 CAAGCTAGCCCAGGTTCTCACTACTGTAGACCTCATCTCTCTGGAGTCCGCAGCTGTGTGGCACTGGC  
 ATGTATGTGGTGTCTGGCCTGGTGGCAAGGAGATGGCAGGGCCTGGGGTTCATCGTGTCTTCATCATTG  
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 ATCTGCCTACACCTACAGCTATGTCACCGTTGGGGAGTTCGTGGCATTTCATCGGCTGGAACTTGATT  
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 ACAGCATCAGCCGCTGGATGGTGGACACCGTGGGAACCCTCAACGGCCTGGGAAAGGGGAAGAGTCGTA  
 CCCAGACCTTCTGGCTCTGGTATTGCCGTTCATCGTGACCATCATTGTGGCTCTGGGAGTAAAACTCT  
 GTGGGCTTCAACAACGTCTCAATGTGCTGAACCTGGCAGTGTGGGTGTTTCATCATGATCGCAGGCCTCT  
 TCTTCATCAATGGCAAATACTGGGCTGAAGGCCAGTTCCTGCCCCACGGATGGTCAGGGGTGCTGCAAGG  
 AGCAGCCACGTGCTTCTATGCTTTCATTGGCTTTGACATCATTGCCACCACGGGTGAGGAAGCCAAGAAC  
 CCCAACACATCCATCCCTACGCCATCACGGCATCCCTGGTCACTGCTGACAGCGTATGTGTCTGTGA  
 GCATGATCTTAACCCTGATGGTACCATATTACGCCATTGACACAGAGTCCCCGCTCATGGAGATGTTTGT  
 GGCCATGGCTTCTATGCTGCGAAGTTGTAGTGGCCATTGGCTCGGTGGCAGGACTGACCGTCACTTG  
 CTGGGCTCCCTGTTCCCATGCCAGGGTCATTTACGCCATGGCTGGCGATGGGCTGCTTTTCAGGTTCC  
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 TGTCTGAGGAGCACCAAGAAGAAGGAAGGCATCCTGGCTGACTGTGAGAAGGAAAACCTGTTCTCCTGT  
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 GACAATGAGATGCTCATAGGAAATCAGATAAGTCCGCCACAACGTCAACCACCCCAACTACGGCACTG  
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 CGGACCCCGTTACTACACCATGAGAATCCGGCTGGGCCTCCAGGCAAAATGGACCGGCCACGGCGGGC  
 ACCGGGCACACGGTGACCATCTGCGTGTCTCTGCTGTTTCATCCTCATGTTTCATCTTCTGCTCCTTCA  
 TCTTTGGCTCTGAGTACATCTCAGGCCAGAGCTGGTGGGCCATCCTTCTGGTCTGATGATGCTGCT  
 GATCAGTGTGCTGGTGTGTAATCCTGCAGCAGCCAGAGAACCCTCAAGAAGCTGCCGTACATGGCCCC  
 TGCCCTCCCTTTGTACCTGCCTTTGCCATGTTGGTGAATATCTATCTCATGCTAAAGCTCTCCACCATCA  
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 CCCTTTTCTGTGGAGGAGGGTTCTCTACGCCACCGAGGGCGAGAGCCAGGAGGACTGGGGTGGGCCCC  
 CCGAGGACAAAGGCTTCTATTACCAACAGATGTCAGATGCGAAGGCAAAACAGCCGGACGAGTAGCAAAG  
 GAAAAGCAAAGCAAACAAACAGAAGTCCGAGGCCCTGATTGCAAATGACGAGTTAGATTGCTCTCCG  
 GAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR210563 protein sequence  
 Red=Cloning site Green=Tags(s)

```
MSGFLASLDPRRVQWGAAWYAMHSRILRTKPVESMLEGTGTTSAHGTKLAQVLTTVDLISLGVGSCVGTG
MYVVVSLVAKEMAGPGVIVSFIIAAVASILSGVCYAEFGVRVPKTTGSAYTYSYVTVGEFVAFFIGWNLI
LEYLIGTAAGASALSSMFDLANHSISRWMVDTVGTNLGLKGEEESYPDLLALVIAVIVTIIIVALGVKNS
VGFNNVLNVLNLAVWVFIMIAGLFFINGKYWAEGQFLPHGWSGVLQGAATCFYAFIGFDIIATTGEEAKN
PNTSIPYAITASLVICLTAYVSVSMILTMLVPYYAIDTESPLMEMFVAHGFYAAKFVVAIGSVAGLTVSL
LGSLFPMPRVIYAMAGDGLLFRFLAHVSSYTETPVVACIVSGFLAALLSLLVSLRDLIEMMSIGTLLAYT
LVSVCVLLRLRYQPESDIDGFVKFLSEEHTKKKEGILADCEKETCSPVSEGEFSSPATNTCGAKNLPDLG
DNEMLIGKSDKSAYNVNHPNYGTVDMTTGIEADESENIYL IKLKKLIGPRYYTMRIRLGLPGKMDRPTAA
TGHTVTICVLLLFI LMFIFCSFIIFGSEYISGQSWWAILLVLLMMLLISVLV FVILQQPENPKLPYMAP
CLPFVPAFAMLVNIYMLKLSTITWIRFAVWCFVGMLIYFGYGIWNSTLEISAREQALHQSTYQRYD VDD
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E
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**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:** [NM\\_172861.3](#), [NP\\_766449.1](#)

**RefSeq Size:** 8869 bp

**RefSeq ORF:** 2316 bp

**Locus ID:** 241919

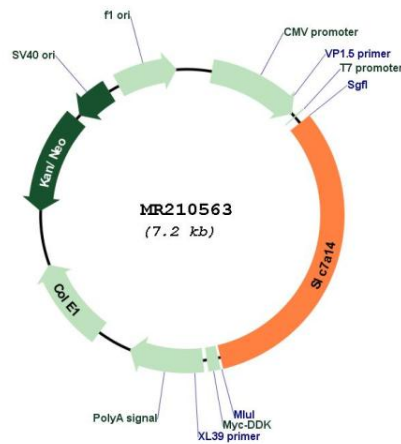
**UniProt ID:** [Q8BXR1](#)

**Cytogenetics:** 3 A3

**MW:** 84 kDa

**Gene Summary:** May be involved in arginine transport.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210563