

Product datasheet for **RR207161**

Slc39a14 (NM_001107275) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a14 (NM_001107275) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc39a14
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR207161 representing NM_001107275
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCACCATGGAGCGCTACACCCAGCCTTCCCTAGCTACCTCCTGTTGGTGTCTTTGGTATATGGA
 GAACTGTCCCCAGATTCATGCCTCATCTACTGGCCTGCTGCCCTCAGTGCCACCTCTTCTGGAAGA
 GCTTATGAAACGCTACGGAGAGAATGACAGCCTTACCTTGCCACAGCTGAAGACTCTGCTCAACAGCGTG
 GGCGTGGGCCGGGATAATGTTTCCCTGCCCAAAGAAGCACACAGGAACCTCTCCACGTGCTTTAGCTCTG
 GAGATCTCTTTCGGGCCACAACCTCAGTGAGCGATCTCGTATTGGGAAGAGTGAATTCAGGAGTTCTG
 CCCCACCATCTCCAGCAGTTGGATTCCCGGGCTTGACCCCAAGAAACCAGGAGAATAAGGAAATGAG
 CAGACAGAGGAGGGGAAGCCAAGCGCCATTGAAGTGTGGGGCTTTGGGTTCTCAGTGTCTCACTGATTA
 ACCTGGCCTCGTCTGGGAGTCTGGTCTGCCATGCACGGAGAAGCGTTTTTCAGCCGTGTGCTCAC
 TTACTTCATCGCCTTGCCATTGGAACGCTGCTCTAACGCACTTTTCCAGCTCATCCAGAGGCTTTT
 GGTTCACACCCTCAGGACAATTATGTCTCAAGTCTGCTGTGGTCTTTGGGGTTTTCTACCTTTCTTTT
 TCACAGAAAAGATCCTGAAGATGCTCCTGAAGCAGAAAAACGAGCACCATCACGGACATAACCATTTTAC
 CTCGAAACGCTTCTTCCAAGAAGGACCAGGAGGAGGTGTCACGGAGAAGCTACAGAATGGGGACCTG
 GATCATATGATTCCTCAGCACTGCAACAATGATCTGGATGGCAAGGCACCCAGCAGACAGAGAAGGTCA
 TCGTAGGCTCCATGTCTGTGCAGGACCTGCAGGCATCCCAGAGTGCTTGTACTGGCTCAAAGGGGTTTCG
 ATATTCTGATATTGGTACCTTGGCCTGGATGATCACCCAGCGATGGTCTCCACAATTCATCGATGGC
 CTGGCTATCGGTCCCTCCTCACTGTGTCTGTCTTCCAAGGCATTAGCACGTCGGTGGCCATTCTCTGTG
 AGGAATTCCTCAGGAGCTGGGAGACTCGTTATCCTGCTCAATGCTGGTATGAGTATCCAGCAGGCCCT
 CTCTTCAACTTCTCTGCTTGTCTGCTATGTGGTCTGGCCTTTGGTATCCTGGCTGGCAGTCAC
 TTCTCTGCAAACTGGATTTTGCAGTGGTGGAGGAATGTTCTTGTATATTGCTCTAGCCGATATGTTCC
 CTGAGATGAATGAGGTGTGCCAGGAGGATGAGAAGAAGGACAGCTTTTTGGTCCCCTTCTCATCCAGAA
 TCTTGGCCTCCTAACTGGCTTCTCCATCATGCTGGTCTCACCATGTATTAGGGCAGATTCAGATCGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207161 representing NM_001107275
 Red=Cloning site Green=Tags(s)

MVTMERLHPAPFSYLLLVLFGIWRTVPQIHASSTGLLPLSATSFLEELMKRYGENDSLTPQLKTLNLSV
 GVGRDNVSLPKEAHRNLSTCFSSGDLFAAHNFSERSRIGKSEFQFCPTILQQLDSRACTPENQENKENE
 QTEEGKPSAIEVWGFGLSVSLINLASLLGVLVLPCTEKAFVSRVLTIFYIALSIGTLLSNALFQLIPEAF
 GFNPQDNYVSKSAVVFVGGFYLFVTEKILKMLLKQKNEHHHGHNHFTSETLPSKKDQEEGVTEKLQNGDL
 DHMIPQHCNNDLDGKAPSTDEKVI VGSMSVQDLQASQSACYWLVKGVRYSDIGTLAWMITLSDGLHNFIDG
 LAIGASFTVSVFQGISVAILCEEFPHELGFVILLNAGMSIQALFFNFLSACCCYVGLAFGILAGSH
 FSNWIFALAGMFLYIALADMFPENVEVCQEDEKDSFLVFPVLIQNLGLLTGFSIMLVLTMYSGQIQIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

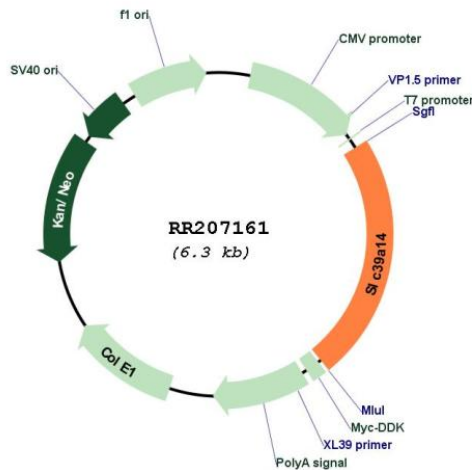
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107275

ORF Size: 1470 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001107275.1](#), [NP_001100745.1](#)

RefSeq Size: 4724 bp

RefSeq ORF: 1473 bp

Locus ID: 306009

Cytogenetics: 15p11

MW: 54.2 kDa