

Product datasheet for **RR203669**

Slc39a12 (NM_001106124) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a12 (NM_001106124) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc39a12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203669 representing NM_001106124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAACAGAGAATATGAGTTCTACCTGCACAGCCTTCTCAGCCTCAGGCAGGATGAAGACTCCTATT
 TCCTCTCAGAGAAGGAGACTGATGACATCTTGGCTTCCACCAGGAAGTACTTTGGCACCTCCACTAGTCC
 GTGTATGGAACTAAGATTCTACAGAGGAATCTGGCATTAGAGCAGCAATGGTCTGATGAAAAGATG
 CTTCTCAGCTGGCTGCCACCATCATTGCTCTGCTCGCTCCAAGGAGTTTGTGGGGAGAAAAGACTCGC
 CTTCCCCAGATGACTTTACAGAATATATTTTCAGTTTCTGAATAGAACCAATGCCCTCCACCTCTCTGA
 ACTAGAGGAACTTCTGAACATGCTCTCGACCAGAAGGGCCTGTACAAAAATAATACCCTCCATGAACAC
 CAAAGGAAACAAAACACAGCAGTACATGGTTTGGAGACCCCAAGTCAGCTGCAGCAATGGACAAAGTGT
 CTGGTGATCATTCTGTTTCTGGGATCAGGCTTCTCTGCTCAGCAGCTGGTGGAGATATTTCTTCA
 GAACCACAGCAGTCTGTCCATTTGAAGGAGGACTTTAAGCAGCTAAGTCCAGGGATCATCCAGCAACTC
 CTAGCTGCTCTTGTGAGGTGCCAGGGACCAGAAAGCAAGCCCCACCACCCTCTGGAGAAATATG
 GTTATAGCACGGTGGCAGTGACACTACTAACCTTGGGCTCCATGCTTGGGACCGCGCTGGTCTTTTCCA
 CAGCTGCGAGGAGAATTACAGTCTGATTTTACAGTTATTCGTGGGCTTGGCCGTGGGGACTCTCCGGG
 GATGCCCTGCTCCATCTCATTCTCAGGTTCTTGGTTTACATAAGCAGGAAGCAGAGCTTGGGCATTTCC
 ACGAAAGCCAAAGTCTATTTGGAAGCTGTTGGGACTACTTGGAGGCATCCATGGATTTTCTTGATAGA
 AAAATGTTTTATCCTTCTGTATCGCCAAATACCAAGGGCCTGCCATTAGTTAATGGACATGCAGGACAT
 ACCCACCATCTTGGACTCAGTCTGAGTTAAATGACCAGTCAGGTGGAGGCAAGTCTATATCAACCATT
 AGCTGAAAGGCCCAGAAGATTCACAGACAGCTGAGTACCCAAAGGCAATGTGCCAGCCTCCAACAGAAA
 CCGCAAAACCATCAGCTTGTGGCTGTTATGGTCTGGTGGAGATGGCCTGCACAATTTTGGCGATGGC
 CTAGTAATAGGCACAGCCTTCTTCTTCTTATTGGAGTCAGGAGTGACCACAACAATCGCTATTTTGTGTC
 ATGAAATTCACATGAAATGGGAGACTTTGCTGTGCTCTTAAGCTCTGGACTCTCCATCAGGACTGCCAT
 CCTAATGAATTTCTAAGTGCCTGACAGCCTTATAGGACTGTACATTGGTCTCTCGGTGTCTGCTGAT
 CCACGTGTCCAAGACTGGATTTAACAGTACTGCTGGGATGTTCTTGTATTTATCCTTGGTGGGGATGC
 TTCCTGAAATGACTCATGTGCAGACACAACGACCCTGGATGACGTTTCTCCTGCAGAATGTTGGATTGGT
 CCTTGGCTGGTTTCACTTTTGCTCTTAGCTGTATATGAACAGAATATTTAAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203669 representing NM_001106124
 Red=Cloning site Green=Tags(s)

MSNREYEFYLHSLLSLRQDEDSYFLSEKETDDILASTRKYFGTSTSPCMETKILQRESGIQSSNGADEKM
 LPQLAATIIALS LQGVCLGRKDSPDDFTEYIFSLNRTNALHLSELELLNMLSTRRACTKINTLHEH
 QRKQNTAVHGLRDPKSAAMDKVS GDHSVSWDQACFSAQQLVEIFLQNHSSLISKEDFKQLSPGIIQQL
 LSCSCQVPRDQKAKPPPTTLEKYGYSTVAVTLLTLGSMLGTALVLFHSCEENYSILQLFVGLAVGTLVSG
 DALLHLIPQVLGLHKQEAELGHFHESQSPIWKLLGLGGIHFGLIEKCFILLVSPNTKGLPLVNGHAGH
 THHLGLSPELNDQSGGGKSI STIQLKGPEDSQTAE LPKGNVPASNRNRKTI SLLAVMVLVGDGLHNFADG
 LVIGTAFSSSLESGVTTTIAILCHEIPHEMGDFAVLLSSGLSIRTA ILMNFLSAL TAFIGLYIGLSVSAD
 PRVQDWILT VTAGMFLYLSLVGMLPEMTHVQTQRPWMTFLLQNVGLVLGWFSLLLLAVYEQNIKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

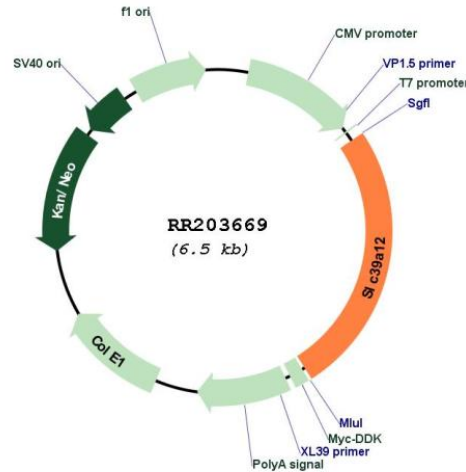
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001106124

ORF Size: 1665 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_001106124.1](#), [NP_001099594.1](#)

RefSeq Size: 2213 bp

RefSeq ORF: 1668 bp

Locus ID: 291328

Cytogenetics: 17q12.3

MW: 60.8 kDa