

Product datasheet for **RR207168**

Slc7a14 (NM_001134615) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a14 (NM_001134615) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc7a14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR207168 representing NM_001134615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATGGCCGGTGATGGGCTGCTTTTCAGGTAAGGGGTTCTGGCTCATGTGAGCTCCTACACAGAGA
CGCCAGTGGTAGCTTGCATCGTATCAGGATTCCTGGCGGCTCTCCTCTCCCTGCTGGTGAGCCTGAGGGA
CCTGATAGAGATGATGTCCATCGGCACGCTCCTCGCTACACCCTGGTCTCTGTCTGTGCTGCTTCTT
CGTTATCAGCCTGAGAGCGACATCGATGGTTTTGTCAAGTTCCTGTCTGAGGAGCACACCAAGAAGAAGG
AAGGCATCCTGGCTGACTGTGAGAAGGAACTTGTCTCCCGTGAGTGAAGGGGAGGAATTTCCAGCCC
AGCCACCAACACCTGTGGGGCCAAGAACCTGCCGTCTTGGGAGACAATGAGATGCTCATAGGGAATCG
GATAAGTCCGCCTACAACGTCAACCAACCAACTATGGCACCGTGGACATGACCACCGGCATAGAAGCCG
ATGAATCAGAAAACATCTATCTCATCAAGTTGAAGAAGCTGATCGGACCCGTTACTACAGATGAGAAT
CCGGCTAGGGCTTCCAGGCAAAATGGACCGGCCACGGCAGCGACCGGGCACACAGTGACCATCTGCGTG
CTCCTGCTGTTTCATCCTCATGTTCTCTGCTCCTTCGTCTCTTTGGCTCCGAGTACATCTCAGGCC
AGAGCTGGTGGGCCATCCTTCTGGTTGTTCTGATGCTGCTGCTCATCACCGTGGTGTTCGTCATCCT
GCAGCAGCCAGAGAACCCCAAGAAGCTGCCGTACATGGCCCCCTGCCTCCCCTTTGTGCCTGCCTTTGCC
ATGCTGGTGAATATCTATCTCATGCTAAAGCTCTCCACCATCACATGGATCCGGTTTGGGCTGCTGGTGT
TTGTGGGTATGCTCATTTACTTTGGGTATGGTATCTGGAACAGCACCTTGAAATCAGCGCCGAGAGCA
GGCCCTGCACCAAGCACATACAGCGCTACGACGTGGATGACCCCTTTCCGTGGAGGAGGGTTCTCC
TATGCCACCGAGGGCGAGAGCCAGGAGGACTGGGTGGGCCGGCTGAGGACAAAGGCTTCTATTACCAAC
AGATGTCAGATGCGAAGGCAACAGCCGGACAGTAGCAAGCGAAAAGCAAACACAAACAGAA
CTCGGAGGCCCTGATCGAGAATGACGAGTTAGATTGCTCTCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

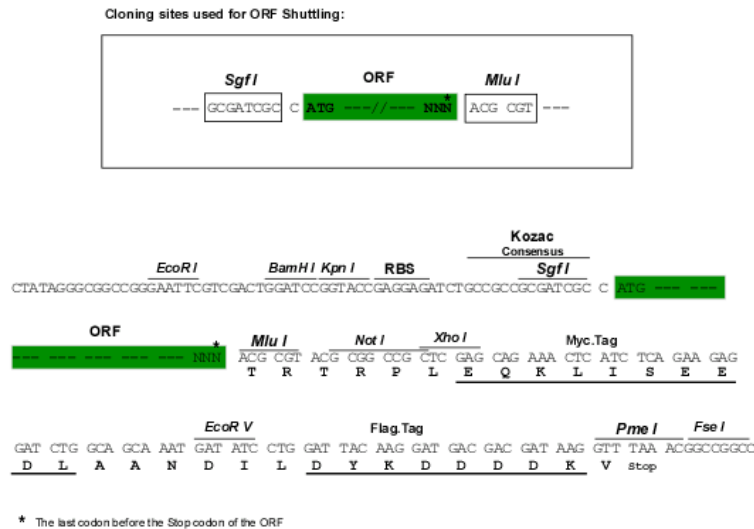
Protein Sequence: >RR207168 representing NM_001134615
 Red=Cloning site Green=Tags(s)

MPWPVMGCFSGKGFLAHVSSYTETPVVACIVSGFLAALLSLLVSLRDLIEMMSIGTLLAYTLVSVCVLLL
 RYQPESDIDGFVKFLSEEHTKKKEGILADCEKETCSPVSEGEFSSPATNTCGAKNLPSLGDNEMLIGKS
 DKSAYNVNHNPYGTVDMTTGIEADESENIYLIKLLIGPRYYTMRIRLGLPGKMDRPTAATGHTVTICV
 LLLFILMFIFCSFVIFGSEYISGQSWAILLVLMILLITVLVVFILQQPENPKKLPYMAPCLPFVPAFA
 MLVNIYLMKLSTITWIRFAVWCFVGMLIYFGYGIWNSTLEISAREQALHQSTYQRYDVDDPFVVEEGFS
 YATEGESQEDWGGPAEDKGFYYQMSDAKANSRSSKAKSKSKHKQNSEALIENDELDCSPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134615

ORF Size: 1236 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_001134615.1, NP_001128087.1

RefSeq Size: 2812 bp

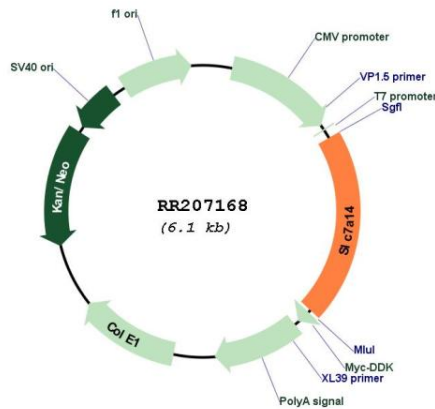
RefSeq ORF: 1239 bp

Locus ID: 499587

Cytogenetics: 2q24

MW: 46 kDa

Product images:



Circular map for RR207168