

Product datasheet for **RR216740**

Slc39a7 (NM_001164744) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc39a7 (NM_001164744) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc39a7
Synonyms:	Ke4; RT1-Ke4; Rt1Ke4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR216740 representing NM_001164744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGGGTCTCGGGACCCCCACTGGGTGGCTGTGGGACTGCTGACCTGGGCAGCTTTGGGGCTGC
 TGGTAGCCGGACACGAGGGTCATGGTGACTGCACAGAGACGTGGAAGAGGACTTCCATGGCCACAGCCA
 CGGACACTCACATGAAGATTTCCACCATGGCCACAGCCATGGCCATGGCCACACTCATGAGAGCATCTGG
 CATGGGCATGCCACAGCCACGACCATGGACATTCACGGGAGGATGTGCACCATGGCCATAGCCATGGCC
 ACTCCCACGATAGCCTCCACCACAGAGGACATGGACATAGCCATGGAGCCTCTAGGGAGGCTGGGGCTCC
 AGGCATCAAGCACCACTGGACTGTACCCTCTGGGCATGCACTGGGGGCCACAGTCTAATCTCC
 GCGGCTCCCTTCTCGTCTCTTCTCATCCCTGTGGAGTCAAACCTCTCCAGGCATCGTTCTCTGCTCC
 AGATCCTGCTCAGTTTTGCTTCTGGGGGCTCCTGGGAGATGCCTTCTCCACCTCATCCCTCACGCCTT
 GGAACCTCATTGCACGATACTCCGGCACAGCCTGGCCACGGACTCCACAGCGGCCAGGGCCCCATT
 CTCTCTGTGGGGCTGTGGTTCTCAGTGGGATTGTGCGCTTTCTGTGGTGGAGAAGTTTGTGAGACACG
 TAAAAGGAGGGCACGGACACGCGCACGCGCACGGACACTCGCACGGAGACAGCCACGCGCACGG
 ACACAGCCACGCACACGGGGATAGGCATGAGTGTCTTCAAAGGGAAAGCCAGTTTCAAGGATGAAAAG
 GAAGCAGGGGGCTTCCGAAAAGGAGAGGAGACACGGGGCCAGAGATGGCCCTCTGAAACCTCAGA
 ACCCTGAAGAAGAAAAACAGGCTCAGACCTGCGTGTGTCTGGGTACCTGAATCTGGCTGCTGACTTGGC
 ACACAACCTCACAGACGGGCTGGCCATTGGTGTCTTCCGTTGGGGCCGAGGGCTTGGGATCCTGACC
 ACGATGACAGTCTGCTGCATGAAGTGCCTCATGAGGTTGGGGACTTTGCCATCTTGGTCCAGTCTGGCT
 GCAGCAAGAAAACAGGCGATGCGTCTGCAACTCTTGACTGCAATTGGAGCATTGGCAGGCACAGCCTGTGC
 CCTTCTCACTGAGGGAGGGCAGTGGGCAGTGAGGTGGCTGGTGGTGCAGGTCCCGGCTGGGTTCTGCCA
 TTCACTGCAGGTGGATTCATCTATGTGGCAACAGTGTCCGTGCTACCTGAGCTACTGAGAGAGGCATCCC
 CGTTACAGTCTCTTGGAGGTGCTGGGGCTGCTGGGGGCGTTGCCATGATGGTACTGATTGCCCATCT
 TGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216740 representing NM_001164744
 Red=Cloning site Green=Tags(s)

MARVLRDPHWVAVGLL TWAALGLLVAGHEGHGDLHRDVEEDFHGSHSHGHSHEDFHHGSHSHGHGHTHESIW
 HGHAHSHDHGHSREDVHHGSHSHGSHSDSLHHRGHGSHSGASREAGAPGIKHLDTVTLWAYALGATVLIS
 AAPFFVFLFIPVESNSPRHRSLQLLSFASGGLLGDAFLHLIPHALEPHSHDTPAQPGHSHSHSGQGP
 LSVGLWVLSGIVAFVVEKFRVHVKGHGHGHAHAHGHGSHGSDSHAHGSHAHGDRHECPSKGPSSSEDEK
 EAGGLRKRGGDTGPRDGPLKQNPPEEKTGSDLRVSGYLNLAADLAHNF TDGLAIGASFRGGRGLGILT
 TMTVLLHEVPHEVGFALVQSGCSKKQAMRLQLLTAIGALAGTACALLTEGGAVGSEVAGGAGPGWVLP
 FTAGGF IYVATVSVLPELLREASPLQSLLEVLGLLGGVAMMVLIAHLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

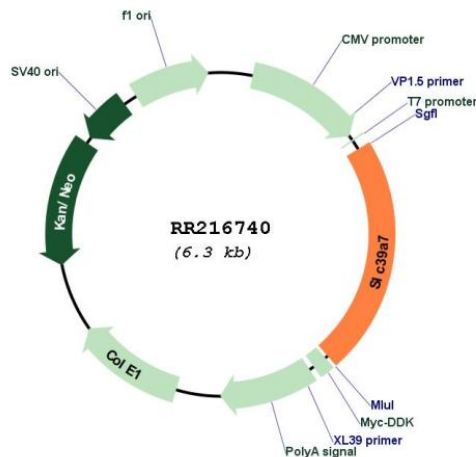
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164744

ORF Size: 1404 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_001164744.1](#), [NP_001158216.1](#)

RefSeq Size: 2053 bp

RefSeq ORF: 1407 bp

Locus ID: 294281

Cytogenetics: 20p12

MW: 49.5 kDa

Gene Summary: may play a role in antigen presentation [RGD, Feb 2006]