

Product datasheet for **RN216740**

Slc39a7 (NM_001164744) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN216740 representing NM_001164744
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGGGTCTCGGGACCCCCACTGGGTGGCTGTGGGACTGCTGACCTGGGCAGCTTTGGGGCTGC
 TGGTAGCCGGACACGAGGGTCATGGTGACCTGCACAGAGACGTGGAAGAGGACTTCCATGGCCACAGCCA
 CGGACACTCACATGAAGATTTCCACCATGGCCACAGCCATGGCCATGGCCACACTCATGAGAGCATCTGG
 CATGGGCATGCCACAGCCACGACCATGGACATTCACGGGAGGATGTGCACCATGGCCATAGCCATGGCC
 ACTCCCACGATAGCCTCCACCACAGAGGACATGGACATAGCCATGGAGCCTCTAGGGAGGCTGGGGCTCC
 AGGCATCAAGCACACCTGGACACTGTACCCTCTGGGCATGCACTGGGGGCCACAGTGCTAATCTCC
 GCGGCTCCCTTCTCGTCTCTTCTCATCCCTGTGGAGTCAAACCTCTCCAGGCATCGTTCTCTGCTCC
 AGATCCTGCTCAGTTTTGCTTCTGGGGGCTCCTGGGAGATGCCTTCTCCACCTCATCCCTCACGCCTT
 GGAACCTCATTGCACGATACTCCGGCACAGCCTGGCCACGGACACTCCCACAGCGGCCAGGGCCCCATT
 CTCTCTGTGGGGCTGTGGGTTCTCAGTGGGATTGTCGCCTTTCTGTGGTGGAGAAGTTGTGAGACACG
 TAAAAGGAGGGCACGGACACGCGCACGCGCACGGACACTCGCACGGAGACAGCCACGCGCACGG
 ACACAGCCACGCACACGGGGATAGGCATGAGTGTCTTCAAAGGGAAAGCCAGTTAGAGGATGAAAAG
 GAAGCAGGGGGCTTTCGGAAAAGGAGAGGAGGAGACACGGGGCCAGAGATGGCCCTCTGAAACCTCAGA
 ACCCTGAAGAAGAAAAACAGGCTCAGACCTGCGTGTGTCTGGGTACCTGAATCTGGCTGCTGACTTGGC
 ACACAACCTCACAGACGGGCTGGCCATTGGTGCTTCTTCCGTGGGGCCGAGGGCTTGGGATCCTGACC
 ACGATGACAGTCTGCTGCATGAAGTGCCTCATGAGGTTGGGGACTTTGCCATCTTGGTCCAGTCTGGCT
 GCAGCAAGAAAACAGGCGATGCGTCTGCAACTCTTGACTGCAATTGGAGCATTGGCAGGCACAGCCTGTGC
 CCTTCTCACTGAGGGAGGGCAGTGGGCAGTGAGGTGGCTGGTGGTGCAGGTCCCGCTGGGTTCTGCCA
 TCACTGCAGGTGGATTCATCTATGTGGCAACAGTGTCCGTGCTACCTGAGCTACTGAGAGAGGCATCCC
 CGTTACAGTCTCTTGGAGGTGCTGGGGCTGCTGGGGGCGTTGCCATGATGGTACTGATTGCCCATCT
 TGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001164744
- Insert Size:** 1407 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

Gene Summary: may play a role in antigen presentation [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.