

Product datasheet for **RR201636**

Slc29a1 (NM_031684) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc29a1 (NM_031684) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc29a1
Synonyms:	ENT1; rENT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201636 representing NM_031684
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACAACCAGTCACCAGCCTCAGGACAGGTATAAGGCTGTCTGGCTCATCTTCTTTGCTCTGGGTCTGG
 GGACACTGCTCCCTGGAATTTTTTATAACAGCAACCCAGTATTTACAAAGCCGCTGAACACGTCCTCA
 GAATATATCCTTGGTCACCAACCAATCATGCGAAAGCACCAGGCCTTGGCTGACCCCTCAGTGTCTTG
 CCAGCCCGGAGTTCTCTCAGTGCATCTTCAACAATGTCATGACCCTGTGTGCCATGTTGCCCTTGTGA
 TCTTCACCTGCCTCAACTCTTCTGCATCAGAAGGTGTCTCAGTCCCTTCGGATCTTGGGCAGCCTGCT
 GGCTATCCTGTTGGTGTCTCCTGCTCACTGCCACCCTGGTGAAGGTGCAGATGGATGCCCTGTCTTCTC
 ATCATCCATGATCAAGATTGTGCTCATTAACTCATTTGGTGCATTTTGAAGCCAGCCTTTTCGGTC
 TGGCAGGCGTCTGCCGCCAACTACACAGCCCCATCATGAGTGGCCAGGCCTGGCTGGCTTCTTAC
 CTCTGTTGCCATGATCTGTGCCGTGCCAGTGGCTCTAAGCTGTCAGAAAGTCTTTTGGTACTTCATC
 ACGGCCTGTGCAGTTGTACTTGGCCACTGTGTTACCTGGCCCTGCCTTGGATGGAATTCTACCGAC
 ATTACCTGCAGCTCAACCTTGGCGGGCCTGCAGAGCAGGAGACCAAGTTGGATCTCATCAGTGAAGGAGA
 GGAGCCAAGAGGAGGAAGAGAGGAATCTGGGTGCCAGGCCCAACTCTTACCCGCCAACAGAAACCA
 TCCATCAAAGCCATACTGAAGAGTATCTGGGTCTGGCTCTGTCTGTCTGTTTCACTTCCACAGTACCA
 TTGGGTTGTTCCCTGCTGTGACTGCTGAGGTGGAATCCAGCATCGCAGGCACAAGTCCCTGGAAAACTG
 CTACTTCATCCCTGTGGCTGCTTCTGAATTTCAATGTCTTTGACTGGCTAGGCCGGAGCCTCACAGCT
 ATTTGCATGTGGCTGGTCAGGACAGCCGCTGGTTGCCGCTCTGGTGCCTGCAGGTTGTGTTTATCC
 CCCTGCTGATGCTCTGCAATGTGAAGCAGCACCCTACCTGCCCTCCCTTTAAGCATGATGCTGGTT
 CATCACCTTCATGGCCGCTTTGCCTTCTCCAATGGCTACCTCGCCAGCCTCTGCATGTGCTTCGGGCC
 AAGAAAGTCAAACCGGCTGAGGCAGAGACTGCCGAAACATCATGTCTTCTTCTGTGTCTGGCCTGG
 CTCTGGGAGCTGTGTTGCTTCTTGTAAAGGGCACTTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201636 representing NM_031684
 Red=Cloning site Green=Tags(s)

MTTSHQPQDRYKAVWLIFVVLGLGTLPLWNFFITATQYFTRSRLNTSQNISLVTNQSCESTEALADPSVSL
 PARSSLSAIFNNVMTLCAMLPLLIIFTCLNSFLHQVYSQSLRILGSLLAILLVFLVTATLVKVQMDALSF
 IITMIKIVLINSFGAILQASLFLAGVLPANYTAPIMSGQLAGFFTSVAMICAVASGSKLSESAFGYFI
 TACAVVILAILCYLALPWMEFYRHYLQLNLGPAEQETKLDLISEGEEPRGGREESGVPGPNSLPANRQ
 SIKAILKSIWVLAALSVCFIFTVTIGLFPVAVTAEVESSIAGTSPWKNCYFIPVACFLNFVFDWLRSLTA
 ICMWPGQDSRWLPVLVACRVVFIPLMLCNVKQHLYLPSLFKHDVWFITFMAAFASFNGYLASLCMCFGP
 KKVKPAEAEAGNIMSFFLCLGLALGAVLSFLLRALV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

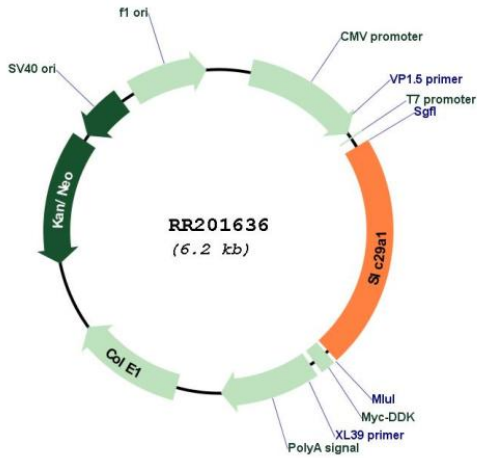
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_031684
 ORF Size: 1371 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_031684.2](#), [NP_113872.1](#)

RefSeq Size: 2142 bp

RefSeq ORF: 1374 bp

Locus ID: 63997

UniProt ID: [O54698](#)

Cytogenetics: 9q12

MW: 50 kDa

Gene Summary: nucleoside transporter [RGD, Feb 2006]