

Product datasheet for **RR216885**

Slc2a9 (NM_001191551) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a9 (NM_001191551) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc2a9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216885 representing NM_001191551
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGCCAGGGAGCTTGCCTAGCTTCCTGATACATGACACCAGTGGCCCTGGGGAGCCGCCTGTGG
 GGCCACCTGTGGGGCGCCGGGGCTGGCGCCGAGGAGGACAAAGAACTGGTCTGCTCGCTCATCGTGGC
 CGCGCTTGTGGGAGCCTTCGGGTCTCCTTCTCTATGGGTACAACCTCTCCGTGGTGAACGCGCCACG
 CCGTATATCAAGGCCTTTTACAATGAAACCTGGTACAGAAGGCATGGACAGCCATAGATCCGGATACCC
 TGACCCTGCTCTGGTCTGTAACCTGTGCCATATTCGCGATTGGTGGCCTGGTGGGAACACTGATGGTGAA
 GATGATTGGAAAGTTTCTTGAAGGAAGTACACACTGCTGGTCAACAACGGATTTGCCATTTCTGCAGCA
 TTGCTGATGGCGTCTCACTCCAGGCAGGAACCTTGGAGTGTCTATTGGGACGCTTCATCATGGGCG
 TGGATGGAGGCATCGCGCTCAGTGCCTCCCATGTACCTCAATGAGATCTACCCAAGGAGATCCGAGG
 CTCCTGGGCCAGGTGACTGCCATCTTCATCTGCATTGGCGTGTCTTCTGGACAGTTGCTGGGCCTGCCT
 GAGCTTCTGGGAAAGGAGAGAACCTGGCCATACCTGTTCCGGAGTGATCATTGTCCCTGCCTTGGCCACG
 TGGCAAGCCTGCCATTTCTCCCTGAGAGTCCACGATACCTCCTCTTTGAAAAGCAGCAGCAGGAGCAGGAGC
 CACGAAAGCCTTCCAACATTCCTGGGAAAGCAGATGTCTCCAAGAGCTGGAGGAGGCCCTGGCTGAG
 AGCCGTGTGCAAAGGAACCTTCGCTGGTGTCCGTGTTTGGCTTCTGAGGGCACCTTTGTCCGATGGC
 AGGTCACTACTGTCGTTATCACCATGGCCAGCTACCAACTATGTGGACTCAATGCGATCTGGTTCTACAC
 CAACAGCATCTTCGGGAAAGCTGGGGTCTCAGGACAAGATCCCATACATCACCTGAGCACCGGAGGA
 ATTGAGACGCTAGCTGCTATCTTCTGGCTTAGTCATTGAGCGCTTAGGAAGGAGACCTCTCCTCATTG
 GTGGCTTTGGGCTGATGGCCCTTCTTTGGGATGCTCACCGTGACACTGACCCTGCAGGACCAAGCTCC
 CTGGATCCCTTACCTAAGCATTGTGTGCATCTTGCCATCATTGCCTCGTCTGACGCGGTCCAGGTGGG
 ATCCCCTTCATCCTGACCGGAGAGTTCTTCCAACAGTCAGAGCGCCAGCAGCCTTCATTATCGCAGGCA
 CAGTCAACTGGCTCTCCAACCTCGTTGTAGGGCTCCTTTTCCCCTTCATCCAGAAAAGCCTGGAGTCTTA
 CTGCTTCTCGTCTTGGCCACAATATGTATAGCGGGCGCTATCTACTTCTATTTTGTCTCCAGAGACC
 AAGAACAGAACCCATGCAGAAATCAGCCAGGCATTCGCCAAGAGGAACAAGGCTCACCCCCAGAGGTGA
 AGGCTGACTCAGCCATGGCAGAGGAGAAGGCCAACAGCCAGCCTGAGACAGATCCATCGTCTACGCTGGA
 CAGCTATGGCCAAAACAGAATTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216885 representing NM_001191551
 Red=Cloning site Green=Tags(s)

MDARELALASLIHDTSGPGEPPVGPVGRGWRPRRTKNWSCSLIVAALVGAFGSSFLYGYNLSVFNAPT
 PYIKAFYNETWYRRHQPIDPDTLTLWSVTVSIFAIGGLVGTLMVKMIGKFLGRKYTLVNNGFAISAA
 LLMACSLQAGTFEMLIVGRFIMGVDGGIALSALPMLNEISPKEIRGSLGQVTAIFICIGVFSGQLLGLP
 ELLGKERTWPYLFVGIIVPALAQLASLPFLPESPRYLLFEKHDEAGATKAFQTLGKADVSQEELEALAE
 SRVQRNLRVSVFELLRAPFVRWQVITVVITMASYQLCGLNAIWFYTNISIFGKAGVPQDKIPYITLSTGG
 IETLAAIFSGLVIERLRPRLLIGGFGLMALFFGMLTVTLTLQDQAPWIPYLSIVCILAIIASFCSGPGG
 IPFILTGEFFQQSERPAAFIIAGTVNWL SNFVVGLLPFIQKSLESYCFLVFATICIAGAIYFYVLPET
 KNRTHAEISQAFKRKNAHPPEVKADSAMAEEKANSQPETDPSSTLDSYQNRIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001191551

ORF Size: 1635 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_001191551.1](#), [NP_001178480.1](#)

RefSeq Size: 3384 bp

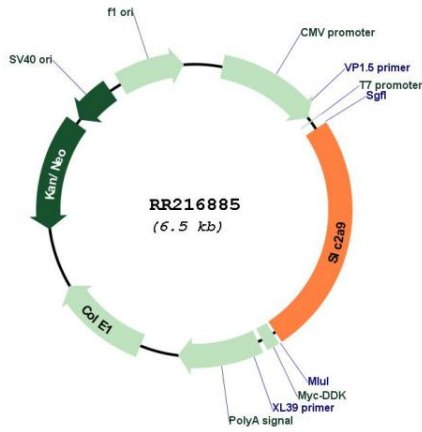
RefSeq ORF: 1638 bp

Locus ID: 501925

Cytogenetics: 14q21

MW: 59.6 kDa

Product images:



Circular map for RR216885