

Product datasheet for **RR208611**

Slc34a3 (NM_139338) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Slc34a3 (NM_139338) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Slc34a3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR208611 representing NM_139338
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAATTCCTTGTGGCGACCAGGTCCCAACCCTACTCTGGATGCAATTGGCCTGGTGGACTGGA
 GTCTGAGAAATGCAGGGACCTCTGGTTCCACCCAGGCTTAGAGGAGGGAGGCACAGACCCCTGGACCTT
 CTCTCAGCTGAAGAATACTGACCAACTCAAGAGGTTGGCACAGCCAGCAAGCTGCACCAGTGGTTCAGC
 GGCTTCTCAAGGCATGCGGACTCCTGGGAAGCCTCTACTTTTTTCATCTGCTCCCTGGACATCTCAGCT
 CTGCGTTCAGCTACTAGGCAGCAAGATGGCCGGAGACATTTTAAAGACAATGTGGTGTGTCCAACCC
 TGTGGCTGGCTTGGTCATTGGTGTGGTGGTCCCGTCTTGTACAGAGCTCCAGCACATCTTCTCTATC
 GTGGTCAGCATGGTGGCCTTAAGTCGTGACTGTCCAAGCGTCTGTCCCTATCATATGGGCGTCAACG
 TGGGCACTTCCATCACCAGCACTCTGGTCTCGATGGCACAGTCAAGGGATCGGGATGAATTCAGAGGGC
 CTTCCGGCGGCTCGCCGTGCACGCATCTCAACTGGCTCACAGTGTGGTACTGCTGCCACTGGAGAAT
 GCCACTGCGGCACTAGAGAGACTGAGTGAAGTGGCCCTGGGTGCTGCTAGCCTGCAGCCAGGGGGCAGG
 CCCCCGACATCTCAAGGCACTGACTCGACCTTTCACACACCTCATCATCCAGCTGGATAGCAGTGTGGT
 TACCAGCAGCATTACCAGCAACACCACTAACAGCAGCCTGATTAAGCACTGGTGTGGCTTCAGGGGGAG
 ACGCCCCAGGGAAGCAGTGAAGGATGCGACCTCTCGGGCTCTTGACAGAGAGGAACAGCTCAGCATCTC
 CAGGAGAGGACAGACTGCTCTGCCATCACCTGTTTGCAGGCTCAGAGCTCACAGACCTGGCTGTGGGCTT
 CATCCTGCTGGCAGGTTTCGTGCTGGTGTCTGTGTCTGTCTGGTCTCATCGTTAAACTGCTCAACTCT
 GTGCTCGGGGTGCATTGCACAGGCTGTGAAGACCGTTATCAATGCAGATTTCCCTCCCTTTGGCT
 GGCTCAGCGGCTACTTGGCCATCCTCGTTGGAGCAGGCTAACCTTCTTGCTTCCAGAGCAGTGTGGTCTT
 CACGGCAGCCATTGTGCCTCTCATGGGGTGGGGTGATCAACCTGGAACGGGCTACCCCTCTTCTCTG
 GGCTCCAACATTGGCACCACCACACAGCCTTACTGGCTGCCCTGGCCAGCCCTGCAGACACGTTACTCT
 TCGCAGTTCAGGTTGCTCTCATCCACTCTTTTTCAACCTGGCTGGCATACTGCTGTGGTACCTGGTGCC
 TGTCTTGAGACTGCCAATCCATTGGCCAAGCGCTTTGGGGACCTGACTGCACAATACCCTGGGTAGCC
 ATTGTCTACTTACTACTCACCTTCTTCTGCTACCCTAGCAGCCTTTGGACTTTCCTGGCTGGGGTT
 CAGTGTGGCTGCAGTGGGGGCTCTGGTGGGGCTGGTACTCCTTATCATCTGGTTAATGCTCTGCA
 ACGACACCACCATTGGTTGCCTCGCCGCTTCAATCTGGGCTGGTGCCTTTGGCTCCATTCT
 CTGGAGCCCTGGGACCGCTGGTACTGGTTGTTGCCCTTCAAGGCCTACAGCAACTCCATATGACCA
 GCAAAGTGGCTACTGCTATGAGAACCACAAGTCATAGCTTCTCAGCAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208611 representing NM_139338
 Red=Cloning site Green=Tags(s)

MPNSLAGDQVNPNTLDAIGLVDWSLRNAGTSGSTPGLLEGGTDPWTFSQLKNTDQLKEVGTASKLHQVVS
 GFLKACGLLGSLYFFICSLDILSSAFQLLGSKMAGDIFKDNVVLNPNVAGLVIGVVVTVLVQSSSTSSSI
 VVSMVASKSLTVQASVPIIMGVNVGTSITSTLVSMASQSGDRDEFQRAFGGSAVHGIFNWLTVLVLLPLEN
 ATAALERLSELALGAASLQPGGQAPDILKALTRPFTHLIIQLDSSVVTSSITSNTNSSLIKHWCGFRGE
 TPQGSSECDL SGCTERNSSASPGEDRLLCHHLFAGSELTDLAVGFILLAGSLLVLCVCLVLIKLLNS
 VLRGRIQAVKTVINADFPFPGWL SGYLAILVGAGLTFLLQSSSVFTAAIVPLMGVGVINLERAYPLFL
 GSNIGTTTTALLAALASPADTLLFAVQVALIHFFFNLAGILLWYLVPLRPLIPLAKRFGDLTAQYRWVA
 IVYLLTFLLLPLAAFGLSLAGGSVLAAVGGPLVGLVLLIILVNVLQRHRPSWLPRLQSWAWLPLWLHS
 LEPWDRLVTGCCPFKAYSNSHMTSKVAHCYENPQVIASQQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

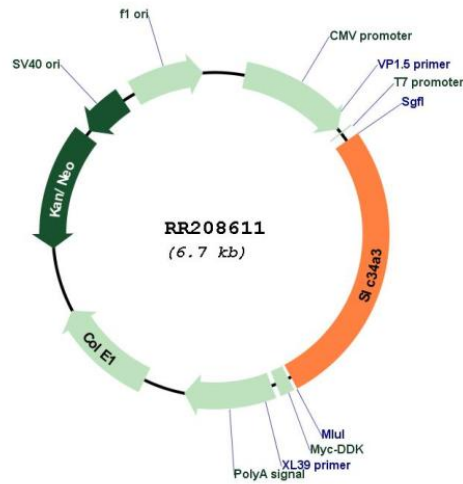
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_139338

| | |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ORF Size: | 1803 bp |
| OTI Disclaimer: | <p>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.</p> <p>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</p> |
| 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: | <ol style="list-style-type: none"> 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_139338.2 , NP_647554.1 |
| RefSeq Size: | 2070 bp |
| RefSeq ORF: | 1806 bp |
| Locus ID: | 246234 |
| UniProt ID: | Q8K4R8 |
| Cytogenetics: | 3p13 |
| MW: | 63.8 kDa |
| Gene Summary: | has Na(+)-dependent inorganic phosphate cotransporter activity; may play a role in renal Na/P(i) cotransport in weaning rats [RGD, Feb 2006] |