

Product datasheet for **RN208611**

Slc34a3 (NM_139338) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc34a3 (NM_139338) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc34a3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208611 representing NM_139338
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAATTCCTTGTGGCGACCAGGTCCCAACCCTACTCTGGATGCAATTGGCCTGGTGGACTGGA
 GTCTGAGAAATGCAGGGACCTCTGGTTCCACCCAGGCTTAGAGGAGGGAGGCACAGACCCCTGGACCTT
 CTCTCAGCTGAAGAATACTGACCAACTCAAAGAGTTGGCACAGCCAGCAAGCTGCACCAGTGGTCAAG
 GGCTTCTCAAGGCATGCGGACTCCTGGGAAGCCTCTACTTTTTTCATCTGCTCCCTGGACATCCTCAGCT
 CTGCGTTCAGCTACTAGGCAGCAAGATGGCCGGAGACATTTTTAAGGACAATGTGGTGTGTCCAACCC
 TGTGGCTGGCTTGGTCATTGGTGTGGTGGTCACCGTCTTGTACAGAGCTCCAGCACATCTTCTCTATC
 GTGGTCAGCATGGTGGCCTTAAGTCGTGACTGTCCAAGCGTCTGTCCCTATCATATGGGCGTCAACG
 TGGGCACTTCCATCACCAGCACTCTGGTCTCGATGGCACAGTCAAGGGATCGGGATGAATTCAGAGGGC
 CTTCCGGCGGCTCGGCCGTGCACGGCATCTCAACTGGCTCACAGTGTGGTACTGCTGCCACTGGAGAAT
 GCCACTGCGGCACTAGAGAGACTGAGTGAAGTGGCCCTGGGTGCTGTAGCCTGCAGCCAGGGGGCAGG
 CCCCCGACATCCTCAAGGCACTGACTCGACCTTTCACACACCTCATCATCCAGCTGGATAGCAGTGTGGT
 TACCAGCAGCATTACCAGCAACACCACTAACAGCAGCCTGATTAAGCACTGGTGTGGCTTCAGGGGGAG
 ACGCCCCAGGGAAGCAGTGAAGGATGCGACCTCTCGGGCTCTTGCCACAGAGAGGAACAGCTCAGCATCTC
 CAGGAGAGGACAGACTGCTCTGCCATCACCTGTTTGCAGGCTCAGAGCTCACAGACCTGGCTGTGGGCTT
 CATCCTGCTGGCAGGTTGCTGCTGGTGTCTGTGTCTGTCTGGTCTCATCGTTAAACTGCTCAACTCT
 GTGCTCGGGGTCGATTGCACAGGCTGTGAAGACCGTTATCAATGCAGATTTCCCTTCCCTTTGGCT
 GGCTCAGCGGCTACTTGGCCATCCTCGTTGGAGCAGGCTTAACCTTCTTGCTTCAAGCAGTGTGGTCTT
 CACGGCAGCCATTGTGCCTCTCATGGGGTTGGGGTGATCAACCTGGAACGGGCTACCCCTCTTCTG
 GGCTCCAACATTGGCACCACCACACAGCCTTACTGGCTGCCCTGGCCAGCCCTGCAGACAGTTACTCT
 TCGCAGTTCAGGTTGCTCTCATCCACTTCTTTTCAACCTGGCTGGCATACTGCTGTGGTACCTGGTGCC
 TGTCTTGAGACTGCCAATCCATTGGCCAAGCGCTTTGGGGACCTGACTGCACAATACCCTGGGTAGCC
 ATTGTCTACTTACTACTCACCTTCTTCTGCTACCCCTAGCAGCCTTTGGACTTTCCTGGCTGGGGTT
 CAGTGTGGCTGCAGTGGGGGCTCTGGTGGGGCTGGTACTCCTTATCATCTGGTTAATGCTCCTGCA
 ACGACACCGACCATCTGGTTGCCTCGCCGCTTCAATCCTGGGCTGGCTGCCACTTTGGCTCCATTCT
 CTGGAGCCCTGGGACCGCTGGTACTGGTTGTTGCCCTTCAAGGCCTACAGCAACTCCCATATGACCA
 GCAAAGTGGCTCACTGCTATGAGAACCACAAGTCATAGCTTCTCAGCAGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2299_d05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_139338

Insert Size: 1806 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](#)

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_139338.1](#), [NP_647554.1](#)

RefSeq Size: 2070 bp

RefSeq ORF: 1806 bp

Locus ID: 246234

UniProt ID: [Q8K4R8](#)

Cytogenetics: 3p13

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]