

Product datasheet for **RN211468**

Slc34a2 (NM_053380) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc34a2 (NM_053380) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc34a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211468 representing NM_053380
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCCTTGGCCCCGAGTTGGAAAATGCCACCCCAACCCCAATAAATTCATCGAAGGGGCCTCAGGTC
 CACAGTCTAGCATACCAGACAAAGACAAGGGGACCAGCAAAACAATGACAGCGGACTCCTGTAGCCAA
 GATTGAACTTCTACCCTCATATTCGCCCTGGTTCTCATAGAGGAGCCCCCTGAGGGGAACGACCCCTGG
 GACCTGCCTGAACTCCAAGACAATGGGATCAAATGGTCAGAGAGAGACTCCAAAGGGAAGATTCTCTGCA
 TTTTCCAGGGGATTGGGAAATTCATCCTTCTCCTGGGTTTCTCTACTTGTGGTGTCTCCCTGGATGT
 ACTCAGTAGTGCCTTCCAGCTTGTGGAGGAAAAATGGCCGGCCAGTTCTTCAGCAACAACCTCATTATG
 TCTAATCCTGTGGCTGGACTTGTGATAGGGGTGCTGGTACAGTCATGGTGCAAAGCTCCAGCACGTCT
 CGTCAATCATCGTCAGCATGGTTGCCTCCTCCTTGTCTCAGTCCGCGCTGCCATCCCCATCATCATGGG
 TGCTAACATCGGGACCTCCATCACCAACACGATTGTGGCACTTATGCAGGCAGGAGACAGAAATGAGTTC
 AGAAGGGCATTTCAGAGGACTACTGTCCATGACTTCTTCAACTGGCTCTCTGTGTGGTGTCTTACCTC
 TGGAGGCTGCCACCCATTACCTGGAGAACTGACCAACCTTGTGTGGAAACCTTCAGCTTCCAGAAATGG
 AGAAGATGCCCCAGACATTCTGAAAGTCATAACAGACCCCTTCACAAAGCTCATCATCCAGCTGGATAAA
 AAAGTCATCCAACAAATTGCAATGGGTGACTCAGAAGCCAGAACAGAGCCTGATCAAGATCTGGTGTA
 AAATAAAGCAATGTGATTGAGGAGAAATGCTACTGTCCCTCGCTGATAACTGCACCTCTCCTCATA
 TTGCTGGACTGATGGCATACAGACCTGGACCATCCAGAATGTGACCGAGAAGGAGAACATTGCTAAATGC
 CAGCACATCTTCGTGAATTCAGCCTCCAGACCTCGCTGTGGGCATCATCTGCTACTGTCTCCCTGC
 TGATCCTTTGCGGTGTCTGATCATGATTGTCAAACCTGTGGTTCTGTGCTCAGGGGACAGTTGCCAC
 TGTTCATCAAGAAGACCCTTAATACTGATTTCCCTTTCCCTTTGCTGGCTGACTGGCTACCTGGCCATC
 CTTGTGGGGCAGGCATGACCTTCATAGTGCAAAGCAGCTCTGTGTTCACTTCTGCCATGACGCCACTCA
 TCGGTATTGGGGTATCAGCATCGAGAGGGCATATCCACTCACGCTGGGCTCCAACATTGGCACCACCAC
 GACTGCCATTCTGGCTGCCTTGGCCAGCCAGGCAACACATTGAGGAGTTCCTCCAGATTGCCCTGTGC
 CATTCTTTCTTCAACATCTCTGGAATATTGCTGTGGTACCCAATCCATTACCCGTCTGCCATCCGTC
 TGGCTAAAGGCTGGGCAACATCTCTGCCAAGTATCGCTGGTTCGCAGTCTTCTATCTCATCTTCTTCTT
 CCTCCTGACCCCGCTGACAGTGTGGCCTGTCCCTGGCTGGCTGGCCAGTGTGGTGGGCGTGGGTGTG
 CCCATCATCTGCTGATCCTCCTGGTCTGTGCCTCCGGATGCTGCAGGCCCGCTGCCCTGCATCCTGC
 CCCTGAAGCTCCGGGACTGGAATTTCTACCCTTGTGGATGCACTCTCTGAAACCTGGGACAACATCAT
 CTCCTGGCCACCTCCTGCTTCCAGAGGCGCTGTTGCTGCTGTTGCCGTGTGTGCTGCCGTGTCTGCTGC
 ATGGTGTGTGGCTGCAAGTGTGCCGCTGCAGCAAGTGTGCAAGAACCTGGAGGAGGAGAAAAGGAGC
 AGGACGTCCCAGTCAAGGCTTCTGGGGCTTTGACAATACAGCTATGAGCAAAGAATGCCAAGATGAGGG
 CAAGGGCCAAGTGAAGTTCTGGGCATGAAGGCCCTGTCCAACACTACAGTGTTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1938_a07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_053380

Insert Size: 2088 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.

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).

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_053380.2](#), [NP_445832.1](#)

RefSeq Size: 3515 bp

RefSeq ORF: 2088 bp

Locus ID: 84395

UniProt ID: [Q9J109](#)

Cytogenetics: 14q11

Gene Summary: may act as a sodium dependent phosphate transporter; may provide inorganic phosphate for the synthesis of lung surfactant [RGD, Feb 2006]