

Product datasheet for **MC220579**

Slc34a2 (NM_011402) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc34a2 (NM_011402) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc34a2
Synonyms:	AA536683; D5Ertd227e; NaPi-2b; Npt2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220579 representing NM_011402
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCTTGGCCCCAGTTGGAAAATGCCAGCCCAACCCCGTAAATTCATCGAGGGGCTCTGGAC
 CACAATCGAGCATACCTGCCAAAGACAAGGAGGCCAGCAAAACAATGACAACGGGACTCCTGTAGCCAA
 GACTGAACTGCTACCCTCTATTCCGCCCTGGTTCTCATAGAGGAGCATCCCAGGGGACGGACCCCTGG
 GACCTGCCTGAACTCCAGGACACTGGGATCAAATGGTCAGAGAGAGACACCAAAGGGAAGACGCTGTGCA
 TTTTCCAGGGGGTTGGGAAGTTCACTTCTCTCTGGGTTTCTCTACTTGTTCGTGTGCTCCCTGGATGT
 ACTGAGCAGCGCCTTCCAGCTTGTGGAGGCAAAGTGGCCGGACAGTTCTTCAGCAACAACCTCCATCATG
 TCTAATCTGTGGCTGGACTGGTATAGGGTTCTGGTGACAGTCATGGTTCAAAGCTCCAGCACCTCTT
 CCTCCATCATCGTCAGCATGGTTGCTTCTTCATTGCTGACGGTTCGGGCTGCCATCCCCATCATATGGG
 CGTAACATTGGAACCTCCATCACCAACACGATCGTGGCGTTATGCAGGCAGGAGACAGAAATGAGTTC
 AGAAGGGCATTTCAGAGGACCCTGTTTCATGACTTCTTCAACTGGCTCTCTGTGTTCGTGCTCTTGCCCT
 TGGAGGCTGCCACCCATTACCTGGAGATCCTGACCAACCTTGTGTTAGAAACCTTCAAGTTCAGAAATGG
 AGAAGATGCCCCAGACATTCTGAAAGTCATCACAGACCCCTTCAAAAGCTCATCATCCAGCTGGATAAA
 AAGGTCATCCAACAAATCGCAATGGGTGACTCAGCGGCCCAGAACAAGAGCCTGATCAAGATCTGGTGTA
 AAAGTATAACCAATGTGACTGAGATGAATGTCACCGTCCCCTCGACTGATAACTGCACCTCTCCTCATA
 TTGCTGGACTGATGGCATACAGACCTGGACCATCCAGAAGCTTACCCAAAAGGAGAATGCTAAATGT
 CAGCACACTTCGTGAACCTCAGTCTCCAGACCTTGTGTGGGCATCATCTTGCTTACTGTCTCCCTGG
 TGGTCTCTGTGGCTGTCTGATCATGATAGTCAAGCTGTTGGTCTCTGTGCTCAGGGGACAAGTCGCTAC
 TGTTCATCAAGAAGACCCTGAATACTGATTTCCCTTTCCCTTTGCTTGGCTGACTGGCTACTGGCCATC
 CTGTGGGGCAGGCATGACCTTCATCGTGCAAAGCAGCTCTGTGTTACGTCTGCCATGACTCCACTCA
 TCGGTATTGGGGTATCAGCATTGAGAGGGCATATCCACTCACGTTGGGCTCCAACATTGGCACCACCAC
 CACCGCCATTCTGGCTGCTTTAGCCAGCCAGGCAACACCTTGAGGAGTTCTCTCCAGATTGCCCTGTGC
 CATTCTCTTCAACATCTCTGGAATATTGCTTTGGTACCCAATCCCATTACCCGCTCGCCATCCGTC
 TGGCTAAAGCCCTAGGCAACATCTCTGCCAAGTATCGCTGGTTCGCAGTCTTCTATCTCATCTTCTTCTT
 CTTTGTGACCCCGCTGACAGTGTGGCCGTCTCTGGCAGGCTGGCCAGTGTGGTGGGCGTGGGCGTA
 CCCATCATCTGTGCTGCTCCTGGTCTGTGCCTCCGGATGCTGCAGTTCGGCTGCCCTCGCATCTTGC
 CCCTGAAGCTCCGGGACTGGAATTTCTACCCTTGTGGATGCACTCTCTGAAACCCTGGGACAACGTCAT
 CTCCCTGGCCACCACCTGCTTCCAGAGGCGTTGCTGCTGCTGTTGCCGCTGTGCTGCCGTGCTGCTGC
 ATGGTGTGCGGCTGCAAGTGTGTGCTGCAGCAAGTGTGCAGGGACCAGGGAGAGGAAGAGGAGGAGA
 AGGAGCAGGATATCCCGGTCAAGGCTTCTGGGGCCTTTGACAAATGCAGCTATGAGCAAAGAGTGCCAAGA
 TGAGGGCAAGGGCCAAGTGAAGTTCTGAGCATGAAGGCCCTGTCCAACACTACAGTGTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3214_b02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_011402

Insert Size: 2094 bp

OTI Disclaimer: 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:	<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:	<u>NM_011402.3</u> , <u>NP_035532.2</u>
RefSeq Size:	4185 bp
RefSeq ORF:	2094 bp
Locus ID:	20531
UniProt ID:	<u>Q9DBP0</u>
Cytogenetics:	5 28.92 cM
Gene Summary:	May be involved in actively transporting phosphate into cells via Na(+) cotransport. It may be the main phosphate transport protein in the intestinal brush border membrane. May have a role in the synthesis of surfactant in lungs' alveoli.[UniProtKB/Swiss-Prot Function]