

Product datasheet for **MR223001**

Slc34a3 (NM_080854) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc34a3 (NM_080854) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc34a3
Synonyms:	A1649385; naPi-2c; Npt2c; Npt2c-v1; Npt1lc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223001 representing NM_080854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGAATTCCTCGCCGGTGGCCAGGTCCCAACCCTACTCTGGATGCCTTTGACCTGGTGGACCGGA
 GTCTGAGAAATGCAGGAATCTCCGGTTCATTCCAGGCTTGAAGAGGGAGGTACAGATCCCTGGACCTT
 CTCTCCGCTGAAGAACGCTGACCAACTGAAAGAGGTTGGCATGGCCAGCAGGCTTCGCCGGTGGTCAGC
 AGCTTTCTCAAGGCATGTGGACTCTGGGAAGCCTCTACTTTTTTCATCTGCTCCCTGGACATCTCAGCT
 CTGCTTTCCAGCTACTAGGCAGCAAAAATGGCTGGAGACATTTTCAAGGACAATGTGGTGTGTCCAACCC
 TGTGGCGGGCTTGGTCATTGGTGTGCTGGTCCAGTCTTGTCCAGAGCTCCAGCACATCTTCTCTATC
 GTGGTCAGCATGGTGGCCTTAAGTTGCTGACTGTCCAGGTGTCTGTGCCTATCATATGGGCGTCAATG
 TGGTACTTCGATCACCAGCACCTGGTCTCAATGGCGCAGTCAGGGACCGGGATGAATTCAGAGGGC
 CTTAGCGGGCTCGCCGTGCATGGCATCTCAACTGGCTCACAGTATTGGTATTGCTGCCCTGGAGAGT
 GCCACCGCAGCATTAGAGAGACTGAGTGAAGTGGCCCTGGGTGCTGTAGCCTGCAGCCAGGGCAGCAGG
 CCCCCGACATCTCAAGGCACTGACTCGGCCTTTCACACACCTCATCATCCAGCTGGATAGCAGTGTGAT
 AACCAGCGGATTAACCAGCAACACCACTAACAGCAGCCTGATTAAGCATTGGTGTGGCTTCAGGGGGAG
 ACGCCCCAGGGAAGCAGTGAGGGATGTGGCCTCTTCAGCTCTGCACAGAGAGGAACAGCTCAGCATCTC
 CAGAGGAGGACAGATTGCTCTGCCATCACCTGTTTGGCGGCTCAAACCTCACAGACTTGGCTGTGGGCTT
 CATCCTGCTGGCGGGCTCGCTGCTGGTGTCTGTGTCTGTCTGGTCTCATCGTTAAACTGCTCAACTCT
 GTGTTGAAGGGCCGCATCGCACAGGCTGTGAAGACTGTTATCAATGCAGATTTCCCTTCCCTTTGGCT
 GGCTCAGCGGCTACTTGGCTATCCTCGTTGGCGCAGGCCTAACCTTCTTGCTTCAGAGCAGTGTGCTT
 CACAGCAGCCATCGTGCCTCTCATGGGGTGGGGTGATTGACCTGGAACGGGCCTACCCCTCTTCTTG
 GGTCCAACATCGGCACCACCACACAGCCCTGCTGGCTGCCTTAGCCAGCCCTGCAGACATGTTAATCT
 TCGCAGTTCAGTTGCTCTCATCCACTTCTTCAACCTGGCTGGCATACTGCTGTGGTACCTGGTGGC
 TGTCTTGAGACTGCCAATCCACTGGCCAAGCGCTTGGAAACCTGACTGCCCAGTATCGCTGGTGGCC
 ATTGTCTACCTACTATTAACCTTCTGCTGCTACCCTAGCAGCCTTGGACTTTCCTGGCAGGGGGCA
 CAGTGTGGTGCAGTAGGGGCTCTGGTGGGGCTGGTGTCTTATCATCTGGTTAATGCTCTGCA
 ACAACACCGACCATTGGCTGCCCGCTGTCTCAATCTGGGCTGGTGGCCTCTGGTCCATTCT
 CTGGAGCCCTGGGACCGCTGGTACTGCTTGTGCCCTGCAGGGCCTGCAGCAACTCTCTATGACCA
 GCAAAGTGGCTACTGCTATGAGAACCACAAGTCATAGCTTCTCAGCAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223001 representing NM_080854
 Red=Cloning site Green=Tags(s)

MPNSLAGGQVNPNTLDAFDLVDRSLRNAGISGSIPGLEEGGTDPTWFSPLKNADQLKEVGMASRLRRVVS
 SFLKACGLLGSLYFFICSLDILSSAFQLLGSKMAGDIFKDNVVLNPVAGLVIGLVTVLVQSSSTSSSI
 VVSMVASKLLTVQVSVPIIMGVNVGTSITSTLVSMAQSGDRDEFQRAFSGSAVHGIFNWLTVLVLLPLES
 ATAALERLSELALGAASLQPGQQAPDILKALTRPFTHLIIQLDSSVITSGITSNTTNSL IKHWCGFRGE
 TPQGSSEGCGLFSSCTERNSSASPEEDRLLCHHLFAGSKLTDLAVGFILLAGSLLVLCVCLVIVKLLNS
 VLKGRIAQAVKTVINADFPFPFWL SGLAILVGAGLTFLLQSSSVFTAAIVPLMGVGVIDLERAYPLFL
 GSNIGTTTTALLAALASPADMLIFAVQVALIHFFNLGILLWYLVPLRLPIPLAKRFGNLT AQYRWVA
 IYVLLLTFLLPLAAFGLSLAGGTVLA AVGGPLVGLVLLIILVNVLQQRPSWLPRLQSWAWLPLWLHS
 LEPWDRLVTACPCRACNSPMTSKVAHCYENPQVIASQQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9027_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080854

ORF Size: 1803 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_080854.3](#), [NP_543130.2](#)

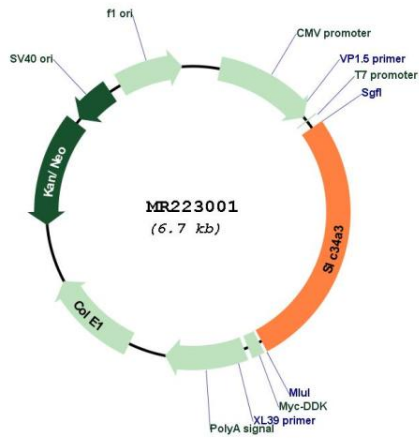
RefSeq Size: 2054 bp

RefSeq ORF: 1806 bp

Locus ID: 142681

UniProt ID: [Q80SU6](#)
 Cytogenetics: 2 A3
 MW: 64.4 kDa
 Gene Summary: May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Probably mediates 20-30% of the apical influx. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223001