

## Product datasheet for **MR210105**

### **Slc34a2 (NM\_011402) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc34a2 (NM_011402) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide  
Sequence:**

>MR210105 representing NM\_011402  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGCTCCTTGGCCCCGAGTTGAAAAATGCCAGCCCAACCCCGTAAATTCATCGAGGGGGCCTCTGGAC  
 CACAATCGAGCATACCTGCCAAAGACAAGGAGGCCAGCAAAACAAATGACAACGGGACTCCTGTAGCCAA  
 GACTGAACTGCTACCCTCCTATTCCGCCCTGGTTCTCATAGAGGAGCATCCCGAGGGGACGGACCCCTGG  
 GACCTGCCTGAACTCCAGGACACTGGGATCAAATGGTCAGAGAGAGACACCAAAGGGAAGACGCTCTGCA  
 TTTTCCAGGGGGTTGGGAAGTTCACTTCTCTCTGGGGTTTCTCTACTTGTTCGTGTGCTCCCTGGATGT  
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 TGAGGGCAAGGGCCAAGTGAAGTTCTGAGCATGAAGGCCCTGTCCAACACTACAGTGTTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210105 representing NM\_011402  
Red=Cloning site Green=Tags(s)

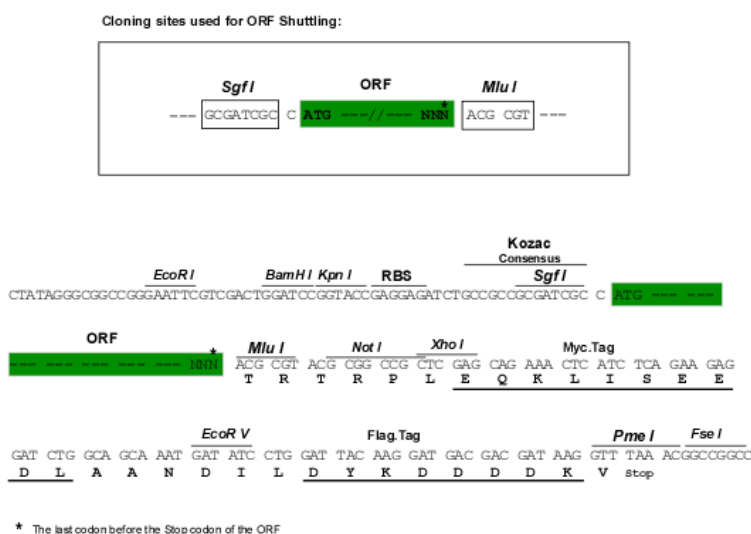
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PIILLLLLVLCLRMLQFRCPRILPLKLRDWNFLPLWMHSLKPWDNVISLATTCTFQRRCCCCRVCCRVCC  
MVCCKCCCRKCCRDGEEEEKEODIPVKASGAFDNAAMSKCODEGKGGOVEVLSMKALSNTTVF

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9013\\_g07.zip](https://cdn.origene.com/chromatograms/mm9013_g07.zip)

Restriction Sites: Sgfl-Mlul

### Cloning Scheme:



ACCN: NM\_011402

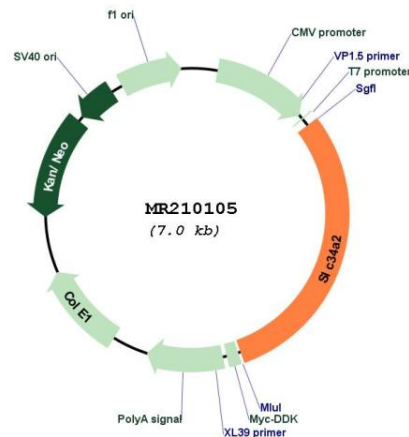
ORF Size: 2091 bp

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_011402.3, NP_035532.2</u>
<b>RefSeq Size:</b>	4185 bp
<b>RefSeq ORF:</b>	2094 bp
<b>Locus ID:</b>	20531
<b>UniProt ID:</b>	<u>Q9DBP0</u>
<b>Cytogenetics:</b>	5 28.92 cM
<b>MW:</b>	76.7 kDa
<b>Gene Summary:</b>	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]

## Product images:



Circular map for MR210105