

## Product datasheet for **RN209872**

### **Slc4a1 (NM\_012651) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc4a1 (NM_012651) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc4a1
Synonyms:	MGC93554
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN209872 representing NM\_012651  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGGACATGCAGGACCAGAGAAAGTCTGGAGATCCAGACCGTGACAGTGAAGAGGAACTGGAAC  
 ATGTAATAGAACAGATAGCATACAGAGACCTAGACATCCCTGTGACAGAAATGCAGGAGTCAAGAAGCTCT  
 TCCACAGAGCAAACAGCCACAGACTACATCCCCACCAGTACCTCCACATCGCACCAAGCTCCAGTCAG  
 GTCTATGTAGAGCTGCAGGAACTGATGATGGACCAGAGGAACCAGGAACTACAGTGGGTGGAGGCGGCAC  
 ACTGGATAGGGCTGGAGGAAAACCTTCGAGAGGATGGTGTGTGGGGTCGTCACATCTCTTTACCTCAC  
 CTTCTGGAGCCTTCTAGAACTGCAGAAGTCTTCTCAAAGGCACCTTCTTCTGGATCTGGCAGAGACA  
 TCCCTGGCTGGGTGGCCATAAACTTCTAGACAGTTTTCATCTATGAGGATCAAATTCGGCTCAAGACC  
 GAGATGAGCTGCTCCGGCTCTGCTACTCAAACGCAGCCACGCTGAGGACCTAAAGGATCTGGAGGGAGT  
 GAAGCCTGCCGTCTGACCCGCTCTGGGCCCCCTTCTGAACCTCTTCTTCTCACCAGCCATCGCTGGAG  
 ACCAAGCTGTACTGTGCACAGGCAGAGGGGGGCTCAGAAGAACCCTCGCCATCTGGGATTCTGAAGATCC  
 CCCCCAATTCAGAAACCACATTGGTGCTAGTGGGCCGGGCTAGTTTCTGGTGAAGCCTGTGCTGGGCTT  
 CGTGAGACTGAAGGAAGCTGTGCCGCTGGAGGACCTGGTGTGGCCGAGCCTGTGAGCTTCTTCTAGTT  
 CTTCTCGGACCTGAGGCTCCGCACATCGACTACACCCAGCTGGGCAGGGCTGCAGCAACTCTCATGACAG  
 AAAGAGTGTCCGCGTTACCGCTCCCTGGCGCAGAGCCGAGGGGAGCTGCTGAGCTCCCTGGATAGCTT  
 TCTGGACTGTAGCCTGGTGTGCCGCCACAGAGGCCCTTCAGAGAAAGCTCTGCTCAACTGGTGCC  
 GTGCAGAGGAGTGTCTAGGAAGCGTACTTGGCCAGACCTGCCAAGCCAGACCCCAACTTGTACGAGG  
 CATTAGCAGACGGGGAAAGGAGGGCCCGGTGACGAAGACGACCCTCTAAGCGCACCCGGCCGATCTT  
 TGGAGGCCTGATCCGTGATATCCGGCGCCGGTATCCTTACTACCTGAGTGACATCACCGATGCGCTCAGT  
 CCCCAGGTGCTGGCTGCTCATCTTACTTTGCTGCCTTGTACCTGCGGTACCTTCGGCGGTC  
 TCCTGGGAGAAAAGACCCGGAACCTGATGGGGGTGTGAGAGCTGCTCATCTCCACAGCAGTGCAAGGAAT  
 TCTCTTTGCTCTCCTGGGGCACAGCCCTGCTTGTGCTCGGCTTCTCAGGACCCCTGCTGGTGTGAA  
 GAAGCCTTCTACTCGTTCTGTGAAAGCAATAACCTGGAGTACATCGTGGCCGCGCGTGGATCGGCTTCT  
 GGCTTATCCTGCTGGTGGTGTGGTGGTGGCCTTTGAAGGCAGCTTCTGGTCCAATACATCTCCCGCTA  
 CACTCAGGAGATTTCTCCTTCTCATCTCCCTCATCTTCTATGAGACTTTCTTAAGCTGATCAAG  
 ATTTTCCAGGACTACCCGCTACAAGAGAGCTATGCCCTGTTGTGATGAAGCCAAACCTCAGGGCCCCG  
 TGCCCAACACAGCCCTCCTCTCCCTTGTGCTTATGGTTGGTACCTTCTACTTGCATGATGCTACGAAA  
 GTTCAAGAACAGCACCTACTTCCCCGGCAAGCTACGCAGAGTCATTGGGGACTTTGGGGTCCCCATCTCC  
 ATCCTGATAATGGTCTGGTGGATACCTTCATCAAGAACACCTACACGCAGAAACTCTCGGTGCCTGATG  
 GCCTTAAAGTGTCCAACCTCCTCCGCCGGGGCTGGGTCATCCATCCCCTGGGTCTGTATAACCATTTCC  
 CAAGTGGATGATGTTGCTTCTGTTCTACCCGCTCTGCTTGTCTTATCCTTATATTCTTGAGTCTCAG  
 ATCACCACGCTGATTGTGAGTAAACCTGAGCGGAAGATGATCAAGGGCTCCGGCTCCACCTGGACTTGC  
 TGCTGGTGTGGCATGGGCGGGGTGGCCGCCCTTTGGGATGCCTTGGCTCAGCGCCACCACCTGTGCG  
 TTCTGTTACCCATGCCAACGCCCTCACAGTCATGGGGAAGGCCAGTGGTCCAGGGGCTGCAGCCAGATC  
 CAAGAGGTCAAGGAACAGCGGATCAGTGGGCTCCTGGTCTCTGTGCTCGTGGGACTGTCCATTCTCATGG  
 AACCCATCCTGTCCCGCATCCCCCTGGCCGTAAGTTTGGCATCTTCTGTACATGGGGATCACATCCCT  
 CAGTGGATCCAGCTCTTTGACCGCATCTTGTCTTCAAGCCACCAAGTACCACCCAGATGTGCC  
 TTTGTCAAGAGGGTGAAGACCTGGCGTATGCACCTTTCACGGGCATCCAGATCATCTGCCTGGCTGTGC  
 TGTGGGTGGTGAAGTCCACGCCAGCCTCGCTGGCCCTGCCCTTTGTCTCATCTCACCCTGCCCTGCG  
 TCGTCTCCTCCTGCCCTCATCTCAGAGAGCTAGAACTCCAGTGTCTGGATGGTGTGATGCCAAAGTG  
 ACCTTTGACGAGGCGGAAGGGCTGGATGAGTATGACGAAGTGCCCATGCCTGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_012651
<b>Insert Size:</b>	2787 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_012651.2</a> , <a href="#">NP_036783.2</a>
<b>RefSeq Size:</b>	4508 bp
<b>RefSeq ORF:</b>	2787 bp
<b>Locus ID:</b>	24779
<b>UniProt ID:</b>	<a href="#">P23562</a>
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	a transporter; functions as a chloride/carbonate exchanger and binds to components of the cytoskeleton [RGD, Feb 2006]