

## Product datasheet for **RN213347**

### **Slc24a3 (NM\_053505) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc24a3 (NM_053505) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc24a3
Synonyms:	Nckx3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213347 representing NM\_053505  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGCCGGGCGACCAGGACCGCGCGCCGCCAGCCGCGCCGGGAGGACCTTCTGCTGA  
 GCCAGCTCTGCTTCTGCTTCCGGTGGCGCTGCTGCTCTGGTCGCTGTCGAGCCTGCGAGAGCAGAAGGA  
 ACTTGACCTCATGGATCTCATCGGGGAAGATAGAAAATGGATGGTGGGGAGGAAGCTGATGCAGGTGAAT  
 GATACACTGACTTCTGAAGATGCAGGACTCCGGAGCAGCAAGAACTGCACAGAGCCAGCCCTGCATGAAT  
 TCCCCAGGGACATCTTCTCCAATGAAGACCGACGACAAGGAGCGGTGGTACTCCACGTGCTCTGTGCCAT  
 GTATATGTTCTATGCACTGGCCATCGTGTGCGATGACTTCTTCTGCCCATCCTTGGAAAAGATCTGTGAG  
 CGCCTCCACCTCAGTGAAGATGTGGCAGGACCCATTCATGGCAGCAGGCAGCTCGGCCCGGAGCTCT  
 TCACATCGGTATAGGAGTCTTCATCACAAGGGGGATGTGGGAGTCGGCACCATCGTGGCTCTGTCTGT  
 GTTCAACATCCTGTGCATCATTGGCGTCTCGGGCTCTTTCAGGACAGGTCGTGGCTCTTCTCTCTGG  
 TGCTGTGAGGGATTCCATCTACTACACTGTCTGTGGTCGCACTCATTGTGTTCATTTATGATGAAA  
 AGGTTTCTTGGTGGGAATCTCTAGTCTTGTGCTGATGTACCTCATCTATATCATCATGAAATACAA  
 TGCGTGCATACACCAGTCTTCGAAAGGAGGACGAAAGGTGCTGGGAACATGGTCAACGGACTGGCCAAC  
 AACGCCGAAATCGATGACAGCAGCAACTGCGATGCCACTGTGGTGTACTTAAGAAAGCCAAATTTCCACC  
 GCAAAGCGTCAGTGATCATGGTGGATGAGCTGTGTCTGCCTACCCACACCAGCTCTCTTCTCTGAGGC  
 TGGCCTTCGAATAATGATCACAAGCCACTTCTCCCAAGACCCGGCTCTCCATGGCCAGTCGCATGTTA  
 ATCAATGAGAGACAAAGACTGATAAACAGCAGGGCATATACCAATGGGGAAATCTGAAGTGGCCATCAAAA  
 TCCCAATTAAGCACACTGTGGAGAATGGAACAGGGCCAGCAGTGCCCCAGACAGGGGTGTGAATGGAAC  
 CCGGAGGGACGACATAGTTGCTGAGGCTGACAATGAGACAGAGAACGAGAATGAAGACGAGAACAATGAG  
 AATGACGAGGAGGAGGATGAAGATGATGATGAAGGCCCTACACGCCATTCGACCCCCCTTGGCAAAC  
 TGGAAACTGTGAAATGGGCATTACCTGGCCCCTGAGTTTGTCTTGTACTTCACTGTCCCAACTGTAA  
 CAAGCCCCACTGGGAGAAGTGGTTTATGGTGACGTTTGTCTTCACTGTGGATTGCAGCCTTCTCC  
 TACATGATGGTGTGGATGGTTACCATCATCGGCTACACCCTAGGGATCCCTGATGCATCATGGGGATCA  
 CCTTCTGGCTGCCGGAACCAGCGTGCCCGACTGCATGGCCAGCCTCATTGTAGCCAGACAAGGGATGGG  
 GGACATGGCTGTGCAATTCCATTGGGAGCAACGTGTTGACATCTTGATTGGGCTTGGCCTTCCCTGG  
 GCTCTGCAGACTCTGGCTGTGGATTATGGATCCTATATTCGGCTGAACAGCAGAGGGCTCATCTACTCCG  
 TGGGCTTGTCTTGGCCTCTGTCTTGTACGGTGTGGCGTTACCTGAACAAGTGGCAGCTGGACAA  
 GAAGCTGGGCTGTGGATGCCTTCTCTGTATGGCGTGTCTCTGCTTCTCCATCATGACGGAGTTCAAC  
 GTGTTACCTTTGTGAACCTGCCCATGTGTGGGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053505
- Insert Size:** 1929 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:**

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\\_053505.2](#), [NP\\_445957.2](#)

**RefSeq Size:** 3748 bp

**RefSeq ORF:** 1929 bp

**Locus ID:** 85267

**UniProt ID:** [Q9EPQ0](#)

**Cytogenetics:** 3q41

**Gene Summary:** transmembrane ion transporter protein; functions as a potassium-dependent sodium/calcium exchanger (one calcium and one potassium in exchange for four sodium ions) [RGD, Feb 2006]