

Product datasheet for **RN214242**

Slc24a2 (NM_031743) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc24a2 (NM_031743) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc24a2
Synonyms:	Nckx2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN214242 representing NM_031743

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGATCTCCATCAAAGCGCCACAGTCAGGCTCCTGCAGGAATGGTGTCCCATGAGTCACCATCTGGCT
GCAGGAGACATTATAATACCAGGAAAAAACTGAAGCTAATTCGAGTCATTGGCCTTGTCTATGGGCTGGT
AGCCGTGAGCACTGTCCCGTTTTCAATCAGTGCCTTTACTGAGACATACTCTCAGAACAAACAGAGGAGAA
GCCAGTGATGTGACGGGCCCTAGGGCAGCACCCGGTACCCTCAAAGAACTCTCTAGACTTAAATGACA
AGATTCGAGATTACCCCCACAGCCACCTGCTTCTCAGGAAGACCGATCTGAGAACGGTACTGATCACGC
CCAGGGAGACTACCCAAAGGATGTCTTTCCCTGGAGGAGCGAAGGAAAGGTGCCATCATTCTCCATGTC
ATCGGAATGATCTATATGTTTCATAGCCTTAGCCATCGTCTGTGATGAGTCTTTGTTCTCTCTAACTG
TCATCACTGAAAACTGGGAATCTCTGATGATGTGGCCGAGCCACCTTCATGGCCGAGGCGGGTCAGC
CCCAGAACTTTTACATCTCTCATAGGGGTTTTATTGCGCACAGCAACGTGGGCATTGGCACCATCGTA
GGTTCGCGCGTGTCAATATCCTCTTTGTTATTGGCATGTGTGCTCTGTTTTCTAGAGAAATCTTAAACC
TGACCTGGTGGCCGCTCTTCGGGATGTGTCTTCTACATCGTTGATTGATCATGTTGATCATATTTTT
CCTGGATAACGTTATCATGTGGTGGGAAAGCTTACTCCTCTTAACAGCTTATTCGCCTATGTGGTTTTTC
ATGAAGTTCAACGTCCAAGTAGAGAGATGGGTGAAGCAATGATAAATCGCAATAAAGTTGTCAAGGTGA
CAGTGTGAGAAGCCCAAGCAAGGCATCTACAGCTGGGACAAGGAAGAGCCGACGTTACCGAATAAGCC
GCGCCTCCAGCGAGGTGGAAGCTCTGCTTCCCTCCACAACAGTCTCATGAGGAACAGCATCTTCCAGCTC
ATGATACACACCTTGACCCACTCGCTGAAGAAGTTGGATCATATGAAAACTAAATATTATGACACAA
TGACTGAAGAAGGAGGTTCAAGAAAAAGCTTCAATTCTCCACAAGATTGCCAAGAAGAAATGCCAAGT
GGATGAGAATGAGAGGCAAAATGGAGCTGCCAATCATGTGGATTATGCCGCAGAAAAAATTGAGCTCCCC
AACAGCACGAGCAGAGGTGGAATGACTCCATCAAGCGAAGCTTCAGAACCTGTGCAGATGGAACCC
TCTCTACAGCATCGAAGCTGCAGACGCCCCGAGGCCACAGAGACCGCCGAGGAAGATGATGACCAGCC
CCTCAGCTGTCTGGCGTCCAAACCCGCAAGCAGATCACCTTCTAATCGTTCTTCCCATCGTGTTT
CCTCTCTGGATCACCTTACCCGACGTCCGCAACCTGCTTCCAAGAAGTTCTTCCCTATCACGTTCTTCTG
GCTCCATCACCTGGATCGCAGTTTTCTCGTACCTGATGGTGTGGTGGGCACACAGGTTGGAGAGACAAT
CGGCATTAGTGAGGAGATCATGGCCTCACCATCTTGGCAGCTGGAACCTCTATCCCGATCTCATACC
AGTGTCTAGTGGCCGAAAGGGCTGGGGGACATGGCTGTGTCCAGCTCCGTTGGAAGCAACATCTTTG
ACATCACTGTGGGCTCCCACTGCCCTGGCTCCTTACACCATCATCCACAGATTCAAGCCAGTGACTGT
CAGCAGCAATGGCCTCTTCTGTGCCATCGTCTCTCTTCTCATCATGTTGATTTTTGTCTATCTCTCCATC
GCCCTCTGCAAGTGGCGGATGAACAAAATCCTCGGCTTCTCATGTTTGGCCTCTACTTCGCGTTCTCTGG
TGGTCAGCGTCTCTGGAAGACAAAGTTCTCGAGTGCCCTGTCTCCATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_031743

Insert Size:

2013 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:	<u>NM_031743.2, NP_113931.1</u>
RefSeq Size:	8877 bp
RefSeq ORF:	2013 bp
Locus ID:	84550
UniProt ID:	<u>O54701</u>
Cytogenetics:	5q32
Gene Summary:	catalyzes potassium ion dependent exchange of sodium and calcium ions; may facilitate calcium mediated signalling and calcium homeostasis [RGD, Feb 2006]