

## Product datasheet for **RC213440**

### SLC24A4 (NM\_153646) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC24A4 (NM_153646) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC24A4
Synonyms:	A12A5; NCKX4; SHEP6; SLC24A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC213440 representing NM\_153646  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCTCCGCGGACCCTCCGCGCCTCAAAGTTCGACAGGAGCGAGAGATGCTGCCGACGAAGTCG  
 GCTTCGTGTGCGCGGTGCTGGCCCTGGTGTGCTGTGCGTCCGGCCTCTTCGGCAGCTTGGGCACAAAAC  
 AGCTTCTGCTAGCAAACGTGTCCTGCCAGACACGTGGAGAAATAGAAAGTTGATGCCCCAGTGAATGGG  
 ACACAGACAGCCAAGAAGTGCACAGATCCTGCGATTACAGAGTCCCCACAGATCTGTTCTCCAATAAGG  
 AGCGACAGCACGGAGCCGTCCTGCTGCACATCCTGGTGTCTGTATATGTTCTATGCCTTGGCCATAGT  
 GTGCGATGACTTCTTTGTTCCGTCCTAGAGAAGATCTGTGAGAGACTCCATCTGAGCGAAGATGTGGCT  
 GGAGCCACCTTATGGCTGCAGGAAGCTCAACGCCAGAGCTGTTTGCCTGTATTGGGGTGTTCATCA  
 CCCATGGGACGTCGGGGTGGGCACCATCGTGGGCTCTGCTGTGTTCAACATCCTGTGCATAATTGGAGT  
 GTGCGGACTGTTTGTGCGCCAGGTGGTCCGTCGACGTGGTGGCCGTGTGCCGAGACTCCGTGTACTAC  
 ACCATCTCTGTATCGTGTCTATCGTGTTCATATATGATGAACAAATTGTGTGGTGGGAAGCGCTGGTGC  
 TCATCATCTTGTATGTGTTTTATATTCTGATCATGAAGTACAATGTGAAGATGCAAGCCTTTTTACAGT  
 CAAACAAAAGAGCATTGCAAACGGTAACCCGGTCAACAGTGAAGTGGAGGCTGGTAATGATTTCTATGAC  
 GGTAGCTATGATGACCCTTCCGTGCCATTGCTGGGGCAAGTGAAGGAGAAGCCACAGTATGGCAAGAACC  
 CCGTGGTGTGGTGGACGAGATTATGAGCTCCAGCCCTCCAAGTTCACCTTCCCTGAAGCAGGCTTACG  
 AATCATGATCACAATAAGTTTGGACCCAGGACCCGACTACGGATGGCCAGCAGGATCATCATTAAATGAG  
 CGGCAGAGACTGATCAACTCGGCCAATGGTGTGAGCAGTAAGCCGCTTCAAACGGGAGGCACGAGAACA  
 TTGAGAACGGGAATGTTCTGTGAAAACCCGAAAGACCCTCAGCAGAATCAGGACGAGCAGCCGCCGCC  
 ACAGCCACCACCCAGAGCCAGAGCCGGTGGAGGCTGACTTCCGTCCCCTTCTCCGTGCCGGAGGCC  
 AGAGGGGACAAGGTCAAGTGGGTGTTCACTGGCCCTCATCTTCTCCTGTGCGTCACCATTCCAACT  
 GCAGCAAGCCCCGCTGGGAGAAGTCTTCATGGTCACTTCAACCGCCACGCTGTGGATCGTGTGTT  
 CTCCTACATCATGGTGTGGCTGGTACTATTATCGGATACACACTTGGGATCCCGGATGTCATCATGGGC  
 ATTACTTCTGCGCAGCAGGGACAAGTGTCCAGACTGCATGGCCAGCCTAATTGTGGCAGACAAGGCC  
 TTGGGGACATGGCAGTCTCCAACACCATAGGAAGCAACGTGTTTACATCCTGGTAGGACTTGGTGTACC  
 GTGGGGCCTGCAGACCATGGTTGTAATTATGGATCAACAGTGAAGATCAACAGCCGGGGCTGGTCTAT  
 TCCGTGGTCTGTGCTGGGCTCTGTCGCTCTCACCGTCTCGGCATCCACCTAAACAAGTGGCGACTGG  
 ACCGGAAGCTGGGTGCTACGTGCTGGTCTCTACGCCATCTTCTGTGCTTCTCCATAATGATAGAGTT  
 TAACGTCTTTACCTTCGCAACTTGCCGATGTGCCGGGAAGACGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC213440 representing NM\_153646  
 Red=Cloning site Green=Tags(s)

MALRGLRPLKVRRRREMLPQQVGFVCAVLALVCCASGLFGSLGHKTASASKRVLPTWRNRKLMAPVNG  
 TQTAKNCTDPAIHEFPTDLFSNKERQHGAVALLHILGALYMFYALAIVCDDFFVPSLEKICERLHLS  
 EDVAGATFMAAGSSTPELFAVIGVFIITHGDVGVGTIVGSAVFNLCIIGVCGLFAGQVVRLTWWAVCRDSVYY  
 TISVIVLIVFIYDEQIVWWEGLVLIILYVFYILIMKYNVKMQAFFTVKQKSIANGNPVNSELEAGNDFYD  
 GSYDDPSVPLLGQVKEKPQYGNPVMVDEIMSSPPKFTFPEAGLRIMITNKFGRPRLRMSRIINE  
 RQRLINSANGVSSKPLQNGRHENIENGNVPVENPEDPQQNQEQPPPPPPPEPEPEADFLSPFSVPEA  
 RGDVKVWVFTWPLIFLLCVTIPNCSKPRWEKFFMVTFITATLWIAVFSYIMVWLVTIIGYTLGIPDVIMG  
 ITFLAAGTSVPDCMASLIVARQGLGDMAYVNTIGSNVFDILVGLGVPWGLQTMVVNYGSTVKINSRGLVY  
 SVVLLLGVALTVLGIHLNKWRDRKLGYYVLLVYAIFLCFSIMIEFNVFTFVNLPMCREDD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8115\\_b01.zip](https://cdn.origene.com/chromatograms/mk8115_b01.zip)  
 Restriction Sites: SgfI-MluI  
 Cloning Scheme:



ACCN: NM\_153646

ORF Size: 1866 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.

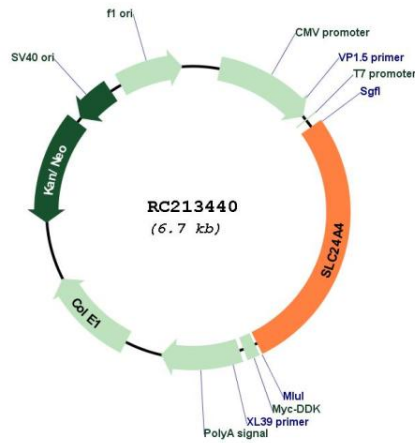
RefSeq: [NM\\_153646.4](#)

RefSeq Size: 9757 bp

RefSeq ORF: 1869 bp

**Locus ID:** 123041  
**UniProt ID:** [Q8NFF2](#)  
**Cytogenetics:** 14q32.12  
**Protein Families:** Druggable Genome, Transmembrane  
**MW:** 69 kDa  
**Gene Summary:** This gene encodes a member of the potassium-dependent sodium/calcium exchanger protein family. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jul 2010]

**Product images:**



Circular map for RC213440