

## Product datasheet for **SC306634**

### SLC24A4 (NM\_153646) Human Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >SC306634 representing NM\_153646.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGCTCCGCGGGACCCTCCGGCCGCTCAAAGTTCGCAGGAGCGAGAGATGCTGCCGACGAAGTC
GGCTTCGTGTGCGCGGTGCTGGCCCTGGTGTGCTGTGCGTCCGGCCTCTTCGGCAGCTTGGGGCACAAA
ACAGCTTCTGCTAGCAAACGTGTCCCTGCCAGACAGTGGAGAAAATAGAAAGTTGATGGCCCCAGTGAAT
GGGACACAGACAGCCAAGAAGTGCACAGATCCTGCGATTACAGAGTTCACACAGATCTGTTCTCCAAT
AAGGAGCGACAGCACGGAGCCGCTCTGCTGCACATCCTTGGTGTCTGTATATGTTCTATGCCTTGCC
ATAGTGTGCGATGACTTCTTTGTTCCGTCTCTAGAGAAGATCTGTGAGAGACTCCATCTGAGCGAAGAT
GTGGCTGGAGCCACCTTCATGGCTGCAGGAAGCTCAACGCCAGAGCTGTTTGCCTGTTATTGGGGTG
TTCATACCCATGGGACGTGGGGTGGGCACCATCGTGGGCTCTGCTGTGTTCAACATCCTGTGCATA
ATTGGAGTGTGCGGACTGTTTGTGCGCCAGGTGGTCCGTCTGACGTGGTGGGCCGTGCGGAGACTCC
GTGTAACACCATCTCTGTCATCGTGTCTCATCGTGTTCATATATGATGAACAAATTGTGTGGTGGGAA
GGCCTGGTGTCTATCATCTTGTATGTGTTTATATTCTGATCATGAAGTACAATGTGAAGATGCAAGCC
TTTTTCACAGTCAAACAAAAGAGCATTGCAAACGGTAACCCGGTCAACAGTGAGCTGGAGGCTGGTAAAT
GATTTCTATGACGGTAGCTATGATGACCCTTCCGTGCCATTGCTGGGGCAAGTGAAGGAGAAGCCACAG
TATGGCAAGAACCCCGTGGTGTGGTGGACGAGATTATGAGTCCAGCCCTCCCAAGTTCACCTTCCT
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ATCATCATTAAATGAGCGGCAGAGACTGATCAACTCGGCCAATGGTGTGAGCAGTAAGCCGCTTCAAAC
GGGAGGCAGGAGAACATTGAGAACGGGAATGTTCTGTGGAAAACCCGAAGACCCTCAGCAGAATCAG
GAGCAGCAGCCGCGCCACAGCCACCACCGCCAGAGCCAGAGCCGGTGGAGGCTGACTTCTGTCCCCC
TTCTCCGTGCCGAGGCCAGAGGGGACAAGGTCAAGTGGGTGTTACCTGGCCCTCATCTTCTCCTG
TGCCTCACCATTCACAACTGCAGCAAGCCCGCTGGGAGAAGTTCCTCATGGTCACTTCATCACCGCC
ACGCTGTGGATCGCTGTGTTCTCCTACATCATGGTGTGGCTGGTACTATTATCGGATACACACTTGGG
ATCCCGGATGTCATCATGGGCATTACTTTCCTGGCAGCAGGGACAAGTGTCCAGACTGCATGGCCAGC
CTAATTGTGGCGAGACAAGGCCTTGGGGACATGGCAGTCTCCAACACCATAGGAAGCAACGTGTTTGAC
ATCCTGGTAGGACTTGGTGTACCGTGGGGCCTGCAGACCATGGTGTAAATTATGGATCAACAGTGAAG
ATCAACAGCCGGGGCTGGTCTATTCCGTGGTCTGTTGCTGGGCTCTGTCGCTCTACCGTCTCCGGC
ATCCACCTAAACAAGTGGCGACTGGACCGAAGCTGGGTGTCTACGTGCTGGTTCCTACGCCATCTTC
TTGTGTTCTCCATAATGATAGAGTTTAAAGTCTTTACCTTCGCAACTGCCGATGCGCGGAAGAC
GATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_153646
- Insert Size:** 1869 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_153646.3](#)

**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]  
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.