

Product datasheet for **SC306635**

SLC24A4 (NM_153647) Human Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SLC24A4 (NM_153647) 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: >SC306635 representing NM_153647.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGCTCCGCGGGACCCTCCGGCCGCTCAAAGTTCGCAGGAGCGAGAGATGCTGCCGACGAAGTC
GGCTTCGTGTGCGCGGTGCTGGCCCTGGTGTGCTGTGCGTCCGGCCTCTTCGGCAGCTTGGGGCACAAA
ACAGTTCTGCTAGCAAACGTGTCTGCCAGACAGTGGAGAAAATAGAAAGTTGATGGCCCCAGTGAAT
GGGACACAGACAGCCAAGAAGTGCACAGATCCTGCGATTACAGAGTTCACACAGATCTGTTCTCCAAT
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ATAGTGTGCGATGACTTCTTTGTTCCGTCTCTAGAGAAGATCTGTGAGAGACTCCATCTGAGCGAAGAT
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TTCATACCCATGGGACGTGGGGTGGCACCATCGTGGCTCTGCTGTGTTCAACATCCTGTGCATA
ATTGGAGTGTGCGGACTGTTTGTGCGCCAGGTGGTCCGTCTGACGTGGTGGCCGTGTGCCGAGACTCC
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GGCCTGGTGTCTATCATCTTGTATGTGTTTATATTCTGATCATGAAGTACAATGTGAAGATGCAAGCC
TTTTTCACAGTCAAACAAAAGAGCATTGCAAACGGTAACCCGGTCAACAGTGAGCTGGAGGCTGTGAAG
GAGAAGCCACAGTATGGCAAGAACCCCGTGGTGTGGTGGACGAGATTATGAGCTCCAGCCCTCCCAAG
TTCACCTTCCCTGAAGCAGGCTTACGAATCATGATCACCATAAGTTTGGACCCAGGACCCGACTACGG
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ATCTTCTCCTGTGCGTACCATTCCCAACTGCAGCAAGCCCGCTGGGAGAAAGTCTTCATGGTACC
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AACGTGTTTGACATCCTGGTAGGACTTGGTGTACCGTGGGGCCTGCAGACCATGGTTGTTAATTATGGA
TCAACAGTGAAGATCAACAGCCGGGGCTGGTCTATTCCGTGGTCTGTTGCTGGGCTCTGCGCTCTC
ACCGTCTCGGCATCCACCTAAACAAGTGGCGACTGGACCGGAAGCTGGGTGTCTACGTGCTGGTTCTC
TACGCCATCTTCTGTGCTTCTCCATAATGATAGAGTTTAAAGTCTTTACCTTCGTAACCTTGCCGATG
TGCCGGGAAGACGATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_153647

Insert Size: 1812 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_153647.3](#)

RefSeq Size: 9773 bp

RefSeq ORF: 1812 bp

Locus ID: 123041

UniProt ID: [Q8NFF2](#)

Cytogenetics: 14q32.12

Protein Families: Druggable Genome, Transmembrane

MW: 67 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 (2) differs in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The resulting isoform (2) is shorter compared to 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.