

Product datasheet for **SC306636**

SLC24A4 (NM_153648) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC24A4 (NM_153648) Human Untagged Clone
Tag: Tag Free
Symbol: SLC24A4
Synonyms: AI2A5; NCKX4; SHEP6; SLC24A2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_153648, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCCAGTGAATGGGACACAGACAGCCAAGAAGTGCACAGATCCTGCGATTCACGAG
TTCCCCACAGATCTGTTCTCCAATAAGGAGCGACAGCACGGAGCCGTCCTGCTGCACATC
CTTGGTCTCTGTATATGTTCTATGCCTTGCCATAGTGTGCGATGACTTCTTTGTTCCG
TCTCTAGAGAAGATCTGTGAGAGACTCCATCTGAGCGAAGATGTGGCTGGAGCCACCTTC
ATGGCTGCAGGAAGCTCAACGCCAGAGCTGTTTGCCTGTTATTGGGGTGTTCATCACC
CATGGGGACGTCGGGGTGGCCACCATCGTGGGCTCTGCTGTGTTCAACATCCTGTGCATA
ATTGGAGTGTGCGGACTGTTTGGTGGCCAGGTGGTCCGCTGACGTGGTGGGCCGTGTC
CGAGACTCCGTGTACTACACCATCTCTGTATCGTCTCATCGTGTTCATATATGATGAA
CAAATTGTGTGGTGGGAAGGCCTGGTGTCTATCATCTTGTATGTGTTTTATATTCTGATC
ATGAAGTACAATGTGAAGATGCAAGCCTTTTTACAGTCAAACAAAAGAGCATTGCAAAC
GGTAACCCGGTCAACAGTGAAGTGGAGGCTGGTAAATGATTCTATGACGGTAGCTATGAT
GACCCCTCCGTGCCATTGCTGGGGCAAGTGAAGGAGAAGCCACAGTATGGCAAGAACCCC
GTGGTGTGGTGGACGAGATTATGAGTCCAGCCCTCCCAAGTTCACCTCCCTGAAGCA
GGCTTACGAATCATGATACCAATAAGTTTGGACCCAGGACCCGACTACGGATGGCCAGC
AGGATCATCATTAAATGAGCGGCAGAGACTGATCAACTCGGCCAATGGTGTGAGCAGTAA
CCGCTTCAAACGGGAGGCACGAGAACATTGAGAACGGGAATGTTCTGTGAAAACCCC
GAAGACCCCTCAGCAGAATCAGGAGCAGCAGCCGCCACAGCCACCACCAGAGCCA
GAGCCGGTGGAGGCTGACTTCTGTCCCTTCTCCGTGCCGAGGCCAGAGGGGACAAG
GTCAAAGTGGGTGTTACCTGGCCCTCATCTTCTCCTGTGCGTACCATTCCCAACTGC
AGCAAGCCCCGCTGGGAGAAGTTCTTCATGGTACCTTCATACCAGCCACGCTGTGGATC
GCTGTGTTCTCCTACATCATGGTGTGGCTGGTACTATTATCGGATACACACTTGGGATC
CCGGATGTCATCATGGGCATTACTTTCTGGCAGCAGGACAAGTGTCCAGACTGCATG
GCCAGCCTAATTGTGGCAGACAAGGCCTTGGGGACATGGCAGTCTCCAACACCATAGGA
AGCAACGTGTTTACATCCTGGTAGGACTTGGTGTACCGTGGGGCTGCAGACCATGGTT
GTTAATTATGGATCAACAGTGAAGATCAACAGCCGGGGGCTGGTCTATTCCGTGGTCCGT
TTGCTGGGCTCTGTCGCTCTCACCGTCCCTCGGCATCCACCTAAACAAGTGGCGACTGGAC
CGGAAGCTGGGTGTCTACGTGCTGGTCTCTACGCCATCTTCTGTGCTTCTCCATAATG
ATAGAGTTAACGTCTTTACCTTCGTCAACTTGCCGATGTGCCGGGAAGACGATTAG
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Restriction Sites:	Please inquire
ACCN:	NM_153648
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:	<ol style="list-style-type: none"> 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_153648.2</u> , <u>NP_705934.1</u>
RefSeq Size:	4437 bp
RefSeq ORF:	1677 bp
Locus ID:	123041
UniProt ID:	<u>Q8NFF2</u>
Cytogenetics:	14q32.12
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to variant 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.</p>