

Product datasheet for **SC318004**

SLC24A6 (SLC8B1) (NM_024959) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SLC24A6 (SLC8B1) (NM_024959) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLC8B1 |
| Synonyms: | NCKX6; NCLX; SLC24A6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



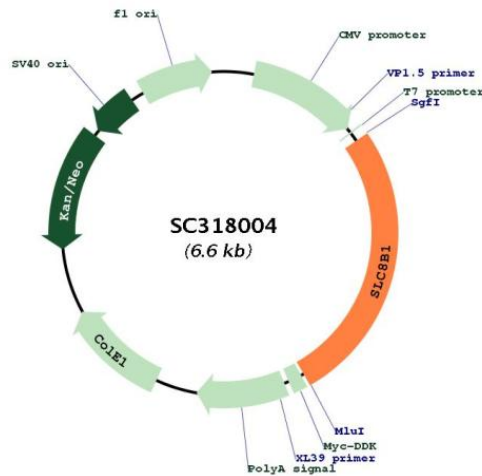
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Fully Sequenced ORF: >SC318004 representing NM_024959.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGGCAGAAGGCTGAATCTGCGCTGGGCACTGAGTGTGCTTTGTGTGCTGCTAATGGCGGAGACA
GTGTCTGGGACTAGGGGCTCGTCTACAGGAGCTCACATTAGCCCCAGTTTCCAGCTTCAGGTGTGAAC
CAGACCCCGTGGTAGACTGCCGCAAGGTGTGTGGCCTGAATGTCTCTGACCGCTGTGACTTCATCCGG
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GTCACCGCAGCCAAGTTTTCTGCCCAACTTGTGGCCATTTCTACCACACTGAAGCTCTCCACAAC
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TTTGGAGTGATTACCTGAAAAGCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_024959

Insert Size: 1755 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_024959.2](#)

RefSeq Size: 2993 bp

RefSeq ORF: 1755 bp

Locus ID: 80024

UniProt ID: [Q6J4K2](#)

Cytogenetics: 12q24.13

| | |
|--------------------------|---|
| Domains: | Na_Ca_Ex |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 64.2 kDa |
| Gene Summary: | <p>SLC24A6 belongs to a family of potassium-dependent sodium/calcium exchangers that maintain cellular calcium homeostasis through the electrogenic countertransport of 4 sodium ions for 1 calcium ion and 1 potassium ion (Cai and Lytton, 2004 [PubMed 14625281]). [supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1 and 3 encode the same isoform (1).</p> |