

Product datasheet for MC202742

Slc12a4 (NM_009195) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc12a4 (NM_009195) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc12a4
Synonyms: AW546649; KCC1; RBCKCC1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC066872 sequence for NM_009195
 TCGCGGATGCCTCACTTACCCTGGTGCCGGTGGACGGGCGCGACGCGGCGACTATGACAACCTCGAGG
 GGCTCAGTTGGGTGGACTACGGCGAGCGCGCCGAGCGGGAAGACTCGGACGGACAGGGTAACCACAGAGA
 GAATAGCCCTTTCTTTGCCCTTTGGACGCTCCAGAGGAAATGACTACTATGACCGGAACCTGGCACTG
 TTTGAGGAGGAGCTGGACATCCGCCCAAAGGTGTCATCTCTCTGGGCAAGCTTGTGAGCTATAACCAAC
 TCACCAAGGAGCAAGGAGCACGAGGAGGCTGAGAGTGGAGAAGGTGGCCGACGAGAGCTGCCAAGGC
 TCCCAGCATGGGCACACTCATGGGAGTGTACCTGCCCTGCCTGCAGAATATCTTTGGGGTTCATCTCTC
 CTGCGGCTGACCTGGATGGTGGGCACAGCTGGTGTACTGCAGGCTCTCTCATTGTCTCATCTGCTGCT
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 GGCGTCAGCAGGAACCTGGTGGTGGGCACCCTGGCCTGGCCTTCGCCTTGGGTGATCGTGGTGGCTCCT
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 CTCCTGACAGCGCTCATCGCTGAGCTGGGCATCCTGATTGCTTCCCTTGACATGGTGGCCCCCATTCTGT
 CCATGTTCTTTCTGATGTGTACCTCTTTGTAACCTTGGCCTGTGCCGTGCAGACACTTCTGAGGACCC



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CAACTGGCGCCCCGGTTCAAGTACTATCACTGGACATTGTCTTTCTAGGCATGAGTCTCTGCCTGGCT
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_009195
- Insert Size:** 3258 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).
- 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:** [BC066872](#), [AAH66872](#)

RefSeq Size: 3812 bp

RefSeq ORF: 3258 bp

Locus ID: 20498

UniProt ID: [Q9JIS8](#)

Cytogenetics: 8 53.06 cM

Gene Summary: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses a different splice site in the 5' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter than isoform 1 by two amino acids.