

## Product datasheet for RR206177

### Slc12a6 (NM\_001109630) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc12a6 (NM\_001109630) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Slc12a6  
**Synonyms:** Kcc3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206177 representing NM\_001109630  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCATCTCCAGAAACCACCACCAAGATGTCTTCAGTTCGGTTCATGGTGACACCAACAAAGATTGATG  
 ACATTCAGGTTTATCAGACACCAGTCCGGACCTCAGCTCTCGATCTAGTTCTCGAGTAAGATTTAGCTC  
 CCGAGAAAGTGTCCAGAAACAAGCCGTAGTGAGCCTATGAGTGAAGTGTCTGGGGCCACCATTCTCTG  
 GCAACTGTTGCCCTAGATCCTTCCAGTGACCGGACTTCTAACCCCCAGGATGTTACCGAGGACCCGAATC  
 AGAACTCCATCACAGGGGAGCACAGCCAGCTGTTAGATGATGGACATAAGAAAGCTCGAAATGCTTATCT  
 CAATAATTCAACTATGAAGAAGGAGACGAATATTTTGATAAAAACTGGCACTCTTTGAGGAAGAAATG  
 GACACCAGACCAAGGTGTCTTCTCCTCAACCCGATGGCCAACTATACAAATCTGACACAAGGAGCAA  
 AGGAACATGAAGAGGCAGAGAACATCACCGAAGGGAAAAAGAAGCCTACCAAGAGCCCCAAATGGGTAC  
 TTTTCATGGGTGTCTACCTCCCATGTCTACAAAAATTTTTGGAGTGATCCTCTTTCTGCGTCTTACCTGG  
 GTAGTGGGCACAGCTGGAGTCTTCAGGCCTTTGCCATTGTCTTATCTGCTGCTGTGTACAATGTTAA  
 CTGCCATCTCCATGAGTGCCATCGCCACTAACGGAGTGGTCCAGCTGGAGGCTCATCTCATGATTTTC  
 CGGGGCCCTGGGCCAGAGTTTGGCGGGGCTGTGGCCCTCTGCTTTTATCTTGGCACCACATTTGCAGCA  
 GCCATGTATATTCTTGGTGCCATTGAAATCTTTCTGGTGTATATTGTCCCCGAGCTGCCATCTTTTCGGA  
 GCGATGATGCACTCAAGGAGTCAGCAGCCATGCTGAACAACATGCGTGTCTATGGTACAGCCTTCTGGT  
 CCTCATGGTCTTGGTGGTGTTCATCGGCGTACGCTATGTGAATAAGTTTGCCTCACTTTTCTGGCCTGT  
 GTAATTGTGTCGATCTTGGCTATCTATGCTGGTCCATCAAGTCTTCTTTGCTCCACCACACTTCCCGG  
 TCTGTATGCTGGCAACCGCACCTGTCATCAAGACACCTTGACATTTGCTTAAGACCAAGGAAGTTAA  
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 GATGAGTACTTTGTTACAATAATGTCACCTCAATCCAGGGCATTCCAGGTTGGCTAGTGGCATCATT  
 CTGAAAACCTTTGGAGTAATTATTTACCAAAAGGTGAGATAATTGAAAAGCCATCAGCCAAGTCATCTGA  
 CGTTTTGGGCAACTTAAACCATGAATATGTTCTTGTGATATTACCACCTCCTTCACTCTTCTGGTGGGG  
 ATCTTCTTCTTCTGTGACAGGTATCATGGTGGGTCAAACAGATCTGGAGATCTGAAAGATGCTCAAA



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AGTCTATCCCCATTGGGACCATCCTTGCCATCCTGACCACATCCTTCGTGTATTTAAGCAATGTTGCCT  
TTTTGGTGCATGTATCGAAGGAGTTGTCCTCAGAGACAAATTTGGGGATGCTGTAAAAGGAATTTGGTT  
GTAGGCACCTTATCCTGGCCATCCCCATGGGTGATTGTTATTGGCTCCTTCTTTCAACGTGTGGAGCTG  
GACTTCAGAGCCTCACAGGTGCACCTCGGCTGCTGCAGGCTATTGCCAAGGACAACATCATACTTTCT  
TAGGGTTTTTGGACACAGTAAAGCTAATGGGGAACCTACCTGGCCCTTACTTCTAACTGCTGCCATAGCA  
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ACCTCTTTGTGAACTTGGCTTGTGCCTTGCAAACATTACTGCGAACCCCCCACTGGAGCCCTCGATTCCG  
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TACATGGAATTTCTAGAAGTGTCTACTGAGGGATTAGAGCGAGTCTCCTCGTCCGGGGTGGTGGCAGTG  
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ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206177 representing NM\_001109630  
 Red=Cloning site Green=Tags(s)

MHPPETTTKMSSVRFMVPTPKIDDIPGLSDTSPDLSSRSSRVRFSSRESVPETSRSEPMSELSGATTSL  
 ATVALDPSSDRTSNPQDVTEPNQNSITGEHSQLLDDGHKKARNAYLNNSNYEEGDEYFDKNLALFEEEM  
 DTRPKVSSLLNRMANYTNLTQGAKEHEEAENITEGKKKPTKSPQMGTFMGVYLPCLQNIQIFGVILFLRLTW  
 VVGTAGVLQAFIVLICCCCTMLTAISMSAIATNGVVPAGGSYFMISRALGPEFGGAVGLCFYLGTTFAA  
 AMYILGAIIEIFLVYIVPRAAIFRSDALKESAAMLNMRVYGTAFVLVLMVLVVFVIGVRYVNFASFVFLAC  
 VIYSILAIYAGAIAKSSFAPPHFPVCMGNRTLSSRHLDICSKTKEVNNMTIPSKLWGFFCNSSQFFNATC  
 DEYFVHNNVTSIQGIPGLASGIIITENLWSNYLPKGEIEKPSAKSSDVLGNLNHEYVLADITTSFTLLVG  
 IFFPSVTGIMAGSNRSGDLKDAQKSIPIGTILAILTTSFVYLSNVVLFACIEGVVLRDKFGDAVKGNLV  
 VGTLSWSPWPVIVIGSFFSTCGAGLQSLTGAPRLLQAIKDNIIPFLRVFGHASKANGEPTWALLLTAIA  
 ELGILIASLDLVAPILSMFFLMCYL FVNLACALQTLRLTPHWRPRFRYYHWAL SFGMSICLALMFISSW  
 YYAIVAMVIAGMIYKYIEYQGAKEWGDGIRGLSL SAARFALLRLEEGPHTKNWRPQLLVLLKDEDLH  
 VKHPRLLTFASQLKAGKGLTIVGSIIVGNFLENYGDALAAEQTIKHLMEAEKVKGFCQLVVAAKLKEGIS  
 HLIQSCGLGGMKHTVVMGWPNQWQRQSEDARAWKTFIGTVRVTTAAHLALLVAKNVSFPSNVEQFSEGN  
 IDVWWIVHDGGMMLLPFLKQHKVWRKCSIRIFTVAQLEDNSIQMKDLATFLYHLRIEAEVEVEMHD  
 SDISAYTYERTLMMEQRSQMLRHMRLSKTERDREAQLVKDRNSMLRLTISGDEDEETETEQEKVHMTWT  
 KDKYMASRGQKVKSMEGFQDLLNMRPDQSNVRRMHTAVKLNEIVNKSHEAKLVLLNMPGPPRNPEGDEN  
 YMEFLEVLTEGLERVLLVRGGGSEVITIYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

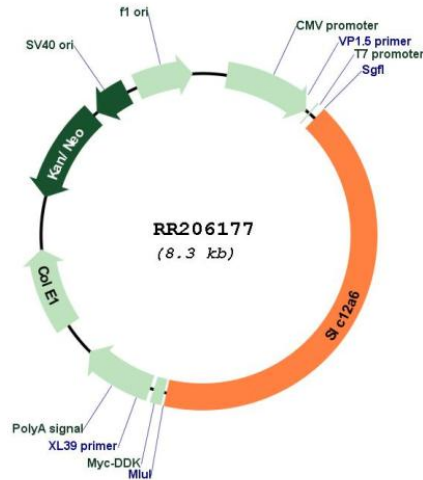
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001109630

ORF Size: 3450 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001109630.1](#), [NP\\_001103100.1](#)

RefSeq Size: 6107 bp

RefSeq ORF: 3453 bp

Locus ID: 691209

Cytogenetics: 3q35

MW: 127.6 kDa