

## Product datasheet for **RC204394**

### SLC26A6 (NM\_022911) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A6 (NM_022911) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC26A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC204394 representing NM\_022911  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCTGGCGGATGCGTCGGGACCGAGGGACACACAGGCACTGCTGTCTGCAACACAAGCAATGGACC  
 TCGGAGGCGAGACTACACATGGAACGGCCGCTGCTGAACCAGGAGCATTGGAGGAGCTGGGGCGCTG  
 GGGCTCAGCACCTAGGACCCACCACTGGCGGACCTGGTTGCAGTCTCCCGTCTCGGGCCTATGCCCTT  
 CTGCTCCAACACCTCCCGGTTTTGGTCTGGTTACCCCGGTATCCTGTGCGTGACTGGCTCCTGGGTGACC  
 TGTATCCGGCCTGAGTGTGGCCATCATGCAGTTCGCGAGGGCTTGGCCTACGCCCTCCTGGTGGATT  
 GCCCCCGTGTGGCCTCTATAGCTCCTTCTACCCTGTCTTCTACTTCTCTGTTTGGCACTTCCCGG  
 CACATCTCCGTGGGACCTTTGCTGTATGTCTGTGATGGTGGCAGTGTGACAGAATCCCTGGCCCCGC  
 AGGCCTTGAACGACTCCATGATCAATGAGACAGCCAGAGATGCTGCCGGGTACAGGTGGCTCCCACT  
 CAGTGTCTGGTGGCCTTTCCAGGTGGGGCTGGCCTGATCCACTTCGGCTTCGTGGTCACTACCTG  
 TCAGAACCTTTGTCGAGGCTATACCACAGCTGCAGCTGTGAGGTCTTCGTCTCACAGCTCAAGTATG  
 TTTTTGGCCTCCATCTGAGCAGCCACTCTGGGCCACTGTCCCTCATCTATACAGTCTGGAGGTCTGCTG  
 GAAGTGGCCAGAGCAAGGTTGGCACCGTGGTCACTGCAGCTGTGGTGGGGTGGTCTCGTGGTGGTG  
 AAGCTGTTGAATGACAAGCTGCAGCAGCAGCTGCCATGCCGATACCCGGGGAGCTGCTCACGCTCATCG  
 GGGCCACAGGCATCTCCTATGGCATGGGTCTAAAGCACAGATTTGAGGTAGATGTCGTGGCAACATCCC  
 TGCAGGGCTGGTCCCCCAGTGGCCCCAACCCAGCTGTTCTCAAAGCTCGTGGGCAGCGCCTTACC  
 ATCGTGTGGTTGGTTGGCATTGCCATCTACTGGGGAAGATCTTCGCCCTGAGGCACGGCTACCGGG  
 TGGACAGCAACCAGGAGCTGGTGGCCTGGCCCTCAGTAACCTTATCGGAGGCATCTTCCAGTGTCC  
 CGTGAGTTGCTCTATGTCTCGGAGCCTGGTACAGGAGAGCACCGGGGCAACTCGCAGGTTGCTGGAGCC  
 ATCTCTTCCCTTTTATCCTCCTCATCATTGTCAAACCTGGGAACTCTTCCATGACCTGCCAAGGCGG  
 TCCTGGCAGCCATCATCATTGTGAACCTGAAGGCATGCTGAGGCAGCTCAGCGACATGCCTCCCTCTG  
 GAAGGCCAATCGGGCGGATCTGCTTATCTGGTGGTACCTTACGGCCACCATCTTGTGAACCTGGAC  
 CTTGGCTTGGTGGTTGCGGTCTCTTCCCTGCTGCTCGTGGTGGTCCGGACACAGATGCCCCACTACT  
 CTGTCTGGGGCAGGTGCCAGACACGGATATTTACAGAGATGTGGCAGAGTACTCAGAGGCCAAGGAAGT  
 CCGGGGGTGAAGTCTCCGCTCCTCGGCCACCGTGTACTTTGCCAATGCTGAGTTCTACAGTGTGCG  
 CTGAAGCAGAGGTGTGGTGTGGATGTGCACTTCTCATCTCCAGAAGAAGAACTGCTCAAGAAGCAGG  
 AGCAGCTGAAGCTGAAGCAACTGCAGAAAGAGGAGAAGCTTCGAAACAGGCTGCCTCCCCAAGGGCGC  
 CTCAGTTTCCATTAATGTCAACACCAGCCTTGAAGACATGAGGAGCAACAACGTTGAGGACTGCAAGATG  
 ATGCAGGTGAGCTCAGGAGATAAGATGGAAGATGCAACAGCCAATGGTCAAGAAGACTCCAAGGCCCCAG  
 ATGGGTCCCACTGAAGGCCCTGGGCTGCCTCAGCCAGACTTCCACAGCCTCATCCTGGACCTGGGTGC  
 CCTCTCTTTGTGGACTGTGTGCCTCAAGAGCCTGAAGAATATTTCCATGACTTCCGGGAGATTGAG  
 GTGGAGGTGTACATGGCGGCTGCCACAGCCCTGTGGTCAAGCAGCTTGAAGGCTGGGCACTTCTTCGATG  
 CATCCATCAACAAGAAGCATCTTTGCCTCTGTCCATGATGCTGCACCTTTGCCCTCCAACACCCGAG  
 GCCTGTCCCCGACAGCCCTGTTTCGGTCAACAGACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC204394 representing NM\_022911  
Red=Cloning site Green=Tags(s)

MGLADASGPRDQTQALLSATQAMDLRRRDYHMERPLLNQEHLEELGRWGSAPRTHQWRTWLQCSRARAYAL  
 LLQHLPLVWLPRYPVRDWLLGDLLSGLSVAIMQLPQGLAYALLAGLPPVFLYSSFYFVFIYFLFGTSR  
 HISVGTFAVMVSVGVTESLAPQALNDSMINETARDAARVQVASTLSVLVGLFQVGLGLIHFVVTYL  
 SEPLVRGYTTAAAVQVFVSQVKYVFGHLSSHSGLSLIYTVLEVWCWKLPSQKVGTVVTAAGVVLVVV  
 KLLNDKLQQQLPMPPIGELLTLIGATGISYGMGLKHFVVDVGNIPAGLVPPVAPNTQLFSKLVGSAFT  
 IAVVGFIAIASLGFALRHGYRVDSNQELVALGLSNLIGGIFQCFVSCSRSRLVQESTGGNSQVAGA  
 ISSLFILLIIVKLGELFHDLPKAVLAAIIIVNLKGLRQLSDMRSLWKANRADLLIWLVTFTATILLNLD  
 LGLVVAVIFSLLLVVVRTQMPHYSLVGLQVPDDIYRDVAEYSEAKEVRGVKVFRRSATVYFANAEFYSDA  
 LKQRCQVDVDFLISQKKLLKKQEQLKQLQKEEKLRKQAAPKASVSVINVTSLQEDMRSNNVEDCKM  
 MQVSSGDKMEDATANGQEDSKAPDGGSTLKALGLPQPDFHSLILDGALSFVDTVCLSKLKNIFHDFREIE  
 VEVYMAACHSPVVSQLEAGHFFDASITKKHLFASVHDAVTFALQHPRPVPDPSVSVTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022911

**ORF Size:** 2277 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\\_022911.3](#)

**RefSeq Size:** 2662 bp

**RefSeq ORF:** 2280 bp

**Locus ID:** 65010

**UniProt ID:** [Q9BXS9](#)

**Cytogenetics:** 3p21.31

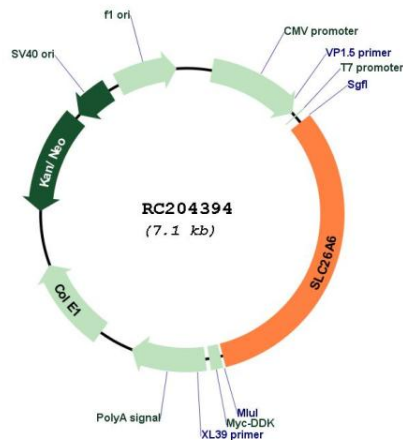
**Domains:** Sulfate\_transp, STAS

**Protein Families:** Transmembrane

**MW:** 83 kDa

**Gene Summary:** This gene belongs to the solute carrier 26 family, whose members encode anion transporter proteins. This particular family member encodes a protein involved in transporting chloride, oxalate, sulfate and bicarbonate. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Aug 2013]

### Product images:



Circular map for RC204394