

## Product datasheet for **RG204394**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A6 (NM_022911) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC26A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG204394 representing NM\_022911  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCTGGCGGATGCGTCGGGACCGAGGGACACACAGGCACTGCTGTCTGCAACACAAGCAATGGACC  
 TGGGAGGCGAGACTACCACATGGAACGGCCGCTGCTGAACCAGGAGCATTGGAGGAGCTGGGGCGCTG  
 GGGCTCAGCACCTAGGACCCACCACTGGCGGACCTGGTTGCAGTCTCCCGTCTCGGGCCTATGCCCTT  
 CTGCTCCAACACCTCCCGGTTTTGGTCTGGTTACCCCGGTATCCTGTGCGTGACTGGCTCCTGGGTGACC  
 TGTATCCGGCCTGAGTGTGGCCATCATGCAGTTCGCGAGGGCTTGGCCTACGCCCTCCTGGTGGATT  
 GCCCCCGTGTGGCCTCTATAGCTCCTTCTACCCTGTCTTCATCTACTTCTGTTGGCACTTCCCGG  
 CACATCTCCGTGGGGACCTTTGCTGTATGTCTGTGATGGTGGGAGTGTGACAGAATCCCTGGCCCCG  
 AGGCCTTGAACGACTCCATGATCAATGAGACAGCCAGAGATGCTGCCGGGTACAGGTGGCTCCCACT  
 CAGTGTCTGGTGGCCTCTCCAGGTGGGGCTGGGCTGATCCACTTCGGCTTCGTGGTCACTACCTG  
 TCAGAACCTTTGTCGAGGCTATACCACAGCTGCAGCTGTGAGGTCTTCGTCTCACAGCTCAAGTATG  
 TTTTTGGCCTCCATCTGAGCAGCCACTCTGGGCCACTGTCCTCATCTATACAGTCTGGAGGTCTGCTG  
 GAAGCTGCCCCAGAGCAAGGTTGGCACCCTGGTCACTGCAGCTGTGGCTGGGGTGGTCTCGTGGTGGT  
 AAGCTGTTGAATGACAAGCTGCAGCAGCAGCTGCCCATGCCGATACCCGGGGAGCTGCTCACGCTCATCG  
 GGGCCACAGGCATCTCCTATGGCATGGGTCTAAAGCACAGATTTGAGGTAGATGTCGTGGCAACATCCC  
 TGCAGGGCTGGTCCCCCAGTGGCCCCAACCCAGCTGTTCTCAAAGCTCGTGGGCAGCGCCTTACC  
 ATCGTGTGGTTGGTTGGCATTGCCATCTACTGGGAAGATCTTCGCCCTGAGGCACGGCTACCGGG  
 TGGACAGCAACCAGGAGCTGGTGGCCTGGGCTCAGTAACCTTATCGGAGGCATCTTCCAGTGTCTCC  
 CGTGAGTTGCTCTATGTCTCGGAGCCTGGTACAGGAGAGCAACCGGGGCAACTCGCAGGTTGCTGGAGCC  
 ATCTCTTCCCTTTTATCCTCCTCATCATTGTCAAACCTGGGAACTCTTCCATGACCTGCCAAGGCGG  
 TCCTGGCAGCCATCATCATTGTGAACCTGAAGGCATGCTGAGGCAGCTCAGCGACATGCCTCCCTCTG  
 GAAGGCCAATCGGGCGGATCTGCTTATCTGGTGGTACCTTACGGCCACCATCTTGTGAACCTGGAC  
 CTTGGCTTGGTGGTTGCGGTATCTTCTCCCTGCTGCTCGTGGTGGTCCGGACACAGATGCCCCACTACT  
 CTGTCTGGGGCAGGTGCCAGACACGGATATTTACAGAGATGTGGCAGAGTACTCAGAGGCCAAGGAAGT  
 CCGGGGGTGAAGTCTCCGCTCCTCGGCCACCGTGTACTTTGCCAATGCTGAGTTCTACAGTGTGCG  
 CTGAAGCAGAGGTGTGGTGTGGATGTGCACTTCTCATCTCCAGAAGAAGAACTGCTCAAGAAGCAGG  
 AGCAGCTGAAGCTGAAGCAACTGCAGAAAGAGGAGAAGCTTCGGAACAGGCTGCCTCCCCAAGGGCGC  
 CTCAGTTTCCATTAATGTCAACACCAGCCTGAAGACATGAGGAGCAACAACGTTGAGGACTGCAAGATG  
 ATGGTGAAGCTCAGGAGATAAGATGGAAGATGCAACAGCCAATGGTCAAGAAGACTCCAAGGCCCCAGATG  
 GGTCCACACTGAAGGCCCTGGGCTGCCTCAGCCAGACTTCCACAGCCTCATCTGGACCTGGGTGCCCT  
 CTCCTTTGTGGACACTGTGTGCCTCAAGAGCCTGAAGAATATTTCCATGACTTCCGGGAGATTGAGGTG  
 GAGGTGTACATGGCGCCTGCCACAGCCCTGTGGTCAAGCAGCTTGAAGCTGGGCACTTCTTCGATGCAT  
 CCATCACCAAGAAGCATCTTTGCCTGTCCATGATGCTGTACCTTTGCCCTCAACACCCGAGGCC  
 TGTCGCCGACAGCCCTGTTTCGGTCACCAGACTC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG204394 representing NM\_022911  
 Red=Cloning site Green=Tags(s)

MGLADASGPRDQTQALLSATQAMD LRRRDYHMERPLL NQEHLEELGRWGSAPRTHQWRTWLQCSRARAYAL  
 LLQHLPLVWLPRYPVRDWLLGDLLSGLSVAIMQLPQGLAYALLAGLPPVFGLYSSFYPVFIYFLFGTSR  
 HISVGTFAVM SVMVGSVTE SLAPQALNDSMINETARDAARVQVASTLSVLVGLFQVGLGLIHFVVTYL  
 SEPLVRGYTTAAAVQVFVSQ LKYVFGHLSSHSGLSLIYTVLEVCWKL PQSKVGTVVTA AVAGVLLVVV  
 KLLNDKLQQQLPMP IPGELLTLIGATGISYGMGLKHRFEVDVVG NIPAGLVPPVAPNTQLFSKLVGSAFT  
 IAVVGF AIAISL GKIFALRHGYRVDSNQELVALGLSNLIGGIFQCFPVSCSMSRSLVQESTGGNSQVAGA  
 ISSLFILLIIVKLGELFHDLPKAVLAAIIIVNLKGMLRQLSDMRSLWKANRADLLIWLVTFTATILLNLD  
 LGLVVAVIFSLLLVVVRTQMPHYSVLGQVPDTDIYRDVAEYSEAKEVRGVKVFRRSATVYFANA EFYSDA  
 LKQRCGVDVDFLISQKKLLKKQEQLKQLQKEEKLRKQAAPKGASV SINVNTSLED MRSNNVEDCKM  
 MVSSGDKMEDATANGQEDSKAPDGSTLKALGLPQPDFHSLILDGALSFVDTVCLKSLKNIFHDFREIEV  
 EYMAACHSPVVSQLEAGHFFDASITKKHLFASVHDAVTFALQHPRVPD SPVSVTRL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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\\_022911.2](#), [NP\\_075062.2](#)

**RefSeq Size:** 2662 bp

**RefSeq ORF:** 2280 bp

**Locus ID:** 65010

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

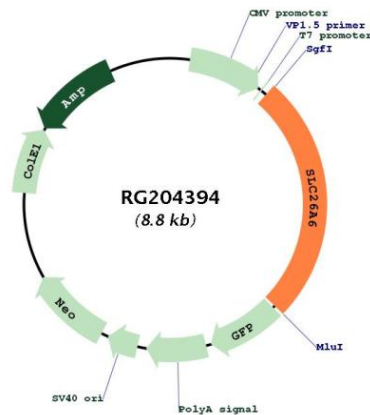
**Cytogenetics:** 3p21.31

**Domains:** Sulfate\_transp, STAS

**Protein Families:** Transmembrane

**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 RG204394