

Product datasheet for **RG214193**

SLC26A6 (NM_134263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A6 (NM_134263) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC26A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214193 representing NM_134263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGGCGGATGCGTCGGGACCGAGGGACACACAGGCACTGCTGTCTGCAACACAAGCAATGGACC
 TGGGAGGCGAGACTACACATGGAACGGCCGCTGCTGAACCAGGAGCATTGGAGGAGCTGGGGCGCTG
 GGGCTCAGCACCTAGGACCCACCAAGTGGCGGACCTGGTTGCAGTCTCCCGTCTCGGGCCTATGCCCTT
 CTGCTCCAACACCTCCCGGTTTTGGTCTGGTTACCCCGGTATCCTGTGCGTGACTGGCTCCTGGGTGACC
 TGTATCCGGCCTGAGTGTGGCCATCATGCAGTTCGCGAGGGCTTGGCCTACGCCCTCCTGGCTGGATT
 GCCCCCGTGTGGCCTCTATAGCTCCTTCTACCCTGTCTTCTACTTCTCTGTTTGGCACTTCCCGG
 CACATCTCCGTGGGGACCTTGTGTCTGTGTGATGGTGGGAGTGTGACAGAATCCCTGGCCCCGC
 AGGCCTGAACGACTCCATGATCAATGAGACAGCCAGAGATGCTGCCCGGTACAGGTGGCTCCCACT
 CAGTGTCTGGTGGCCTCTCCAGGTGGGGCTGGCCTGATCCACTTCGGCTTCGTGGTCACTACCTG
 TCAGAACCTTTGTCGAGGCTATACCACAGCTGCAGCTGTGAGGTCTTCGTCTCACAGCTCAAGTATG
 TTTTTGGCCTCCATCTGAGCAGCCACTCTGGGCCACTGTCCCTCATCTATACAGTCTGGAGGTCTGCTG
 GAAGCTGCCCCAGAGCAAGGTTGGCACCCTGGTCACTGCAGCTGTGGCTGGGGTGGTCTCGTGGTGGT
 AAGCTGTTGAATGACAAGCTGCAGCAGCAGCTGCCATGCCGATACCCGGGGAGCTGCTCACGCTCATCG
 GGGCCACAGGCATCTCCTATGGCATGGGTCTAAAGCACAGATTTGAGGTAGATGTCGTGGGAACATCCC
 TGCAGGGCTGGTCCCCCAGTGGCCCCAACCCAGCTGTTCTCAAAGCTCGTGGGCAGCGCCTTACC
 ATCGTGTGGTTGGTTGGCATTGCCATCTACTGGGAAGATCTTCGCCCTGAGGCACGGCTACCGCC
 TGGACAGCAACCAGGAGCTGGTGGCCTGGGCCCTCAGTAACCTTATCGGAGGCATCTTCCAGTGTCCC
 CGTGAGTTGCTCTATGTCTCGGAGCCTGGTACAGGAGAGCAACCGGGGCAACTCGCAGGTTGCTGGAGCC
 ATCTCTCCCTTTTATCCTCCTCATCATTGTCAAACCTGGGAACTCTTCCATGACCTGCCAAGGCGG
 TCCTGGCAGCCATCATCATTGTGAACCTGAAGGCATGCTGAGGCAGCTCAGCGACATGCCTCCCTCTG
 GAAGGCCAATCGGGCGGATCTGCTTATCTGGTGGTACCTTACGGCCACCATCTTGTGAACCTGGAC
 CTTGGCTTGGTGGTTGCGGTCTCTTCCCTGCTGCTCGTGGTGGTCCGGACACAGATGCCCCACTACT
 CTGTCTGGGGCAGGTGCCAGACACGGATATTTACAGAGATGTGGCAGAGTACTCAGAGGCCAAGGAAGT
 CCGGGGGTGAAGGTCTCCGCTCCTCGGCCACCGTGTACTTTGCCAATGCTGAGTTCTACAGTGTGCG
 CTGAAGCAGAGGTGTGGTGTGGATGTGCACTTCTCATCTCCAGAAGAAGAACTGCTCAAGAAGCAGG
 AGCAGCTGAAGCTGAAGCAACTGCAGAAAGAGGAGAAGCTTCGGAACAGGCTGCCTCCCCAAGGGCGC
 CTCAGTTTCCATTAATGTCAACACCAGCCTGAAGACATGAGGAGCAACAACGTTGAGGACTGCAAGATG
 ATGGTGAAGCTCAGGAGATAAGATGGAAGATGCAACAGCCAATGGTCAAGAAGACTCCAAGGCCCCAGATG
 GGTCCACACTGAAGGCCCTGGGCTGCCTCAGCCAGACTTCCACAGCCTCATCCTGGACCTGGGTGCCCT
 CTCCTTTGTGGACACTGTGTGCCTCAAGAGCCTGAAGAATATTTTCCATGACTTCCGGGAGATTGAGGTG
 GAGGTGTACATGGCGCCTGCCACAGCCCTGTGGTCAGCCAGCTTGAAGCTGGGCACTTCTTCGATGCAT
 CCATCACCAAGAAGCATCTTTGCCTGTCCATGATGCTGTACCTTTGCCCTCAACACCCGAGGCC
 TGTCGCCGACAGCCCTGTTTCGGTCACCAGACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG214193 representing NM_134263
 Red=Cloning site Green=Tags(s)

MGLADASGPRDQTQALLSATQAMDRLRRRDYHMERPLLNQEHLEELGRWGSAPRTHQWRTWLQCSRARAYAL
 LLQHLPLVWLPRYPVRDWLLGDLLSGLSVAIMQLPQGLAYALLAGLPPVFGLYSSFYPVFIYFLFGTSR
 HISVGTFAVMSSVMVGSVTESLAPQALNDSMINETARDAARVQVASTLSVLVGLFQVGLGLIHFVVTYL
 SEPLVRGYTTAAAVQVFVSQKYYVFLHLSHSGPLSLIYTVLEVCWKL PQSKVGTVVTA AVAGVLLVVV
 KLLNDKLQQQLPMPPIPGELLTLIGATGISYGMGLKHRFEVDVVGNI PAGLVPPVAPNTQLF SKLVGSAFT
 IAVVGF AIAISL GKIFALRHGYRVDSNQELVALGLSNLIGGIFQCFPVSCSMSRSLVQESTGGNSQVAGA
 ISSLFILLIIVKLGELFHDLPKAVLAAIIIVNLKGMLRQLSDMRSLWKANRADLLIWLVTFTATILLNLD
 LGLVVAVIFSLLLVVVRTQMPHYSVLGQVPDIDIYRDVAEYSEAKEVRGVKVFRRSATVYFANA EFYSDA
 LKQRCGVDVDFLISQKKLLKKQEQLKQLQKEEKLRKQAAPKGASVSVINVTSL EDMRSNNVEDCKM
 MVSSGDKMEDATANGQEDSKAPDGSTLKALGLPQPDFHSLILDGALSFVDTVCLKSLKNIFHDFREIEV
 EYMAACHSPVVSQLEAGHFFDASITKKHLFASVHDAVTFALQHPRVPDPSVSVTRL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134263

ORF Size: 2274 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_134263.3](#)

RefSeq Size: 2659 bp

RefSeq ORF: 2277 bp

Locus ID: 65010

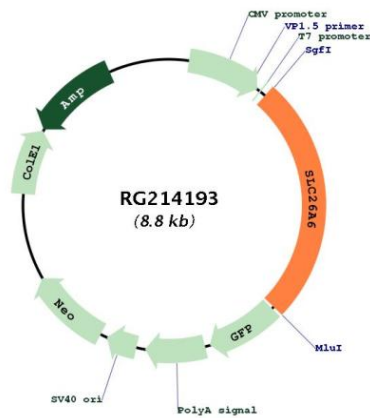
UniProt ID: [Q9BXS9](#)

Cytogenetics: 3p21.31

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 RG214193