

Product datasheet for **RG213032**

SLC26A6 (NM_134426) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A6 (NM_134426) 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:

>RG213032 representing NM_134426
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCTGGCGGATGCGTCGGGACCGAGGGACACACAGGCACTGCTGTCTGCAACACAAGCAATGGACC
TGCAGGAGCGAGACTACACATGGAACGGCCGCTGCTGAACCAGGAGCATTGGAGGAGCTGGGGCGCTG
GGGCTCAGCACCTAGGACCCACCACTGGCGGACCTGGTTGCAAGTCTCCCGTCTCGGGCCTATGCCCTT
CTGCTCCAACACCTCCCGGTTTTGGTCTGGTTACCCCGGTATCCTGTGCGTGACTGGCTCCTGGGTGACC
TGTTATCCGGCCTGAGTGTGGCCATCATGCAGTTCGCGAGGGCTTGGCCTACGCCCTCCTGGTGGATT
GCCCCCGTGTGGCCTCTATAGCTCCTTCTACCCTGTCTTCTACTTCTCTGTTGGCACTTCCCGG
CACATCTCCGTGGGGACCTTTGCTGTATGTCTGTGATGGTGGGAGTGTGACAGAATCCCTGGCCCCGC
AGGCCTTGAACGACTCCATGATCAATGAGACAGCCAGAGATGCTGCCGGGTACAGGTGGCTCCCACT
CAGTGTCTGGTGGCCTCTCCAGGTGGGGCTGGGCTGATCCACTTCGGCTTCGTGGTCACTACCTG
TCAGAACCTTTGTCGAGGCTATACCACAGCTGCAGCTGTGAGGTCTTCGCTCACAGCTCAAGTATG
TGTTTGGCCTCCATCTGAGCAGCCACTCTGGGCCACTGTCCTCATCTATACAGTCTGGAGGTCTGCTG
GAAGCTGCCCCAGAGCAAGGTTGGCACCCTGGTCACTGCAGCTGTGGTGGGGTGGTCTCGTGGTGGT
AAGCTGTTGAATGACAAGCTGCAGCAGCAGCTGCCATGCCGATACCCGGGGAGCTGCTCACGCTCATCG
GGGCCACAGGCATCTCCTATGGCATGGGTCTAAAGCACAGATTTGAGGTAGATGTCGTGGCAACATCCC
TGCAGGGCTGGTCCCCCAGTGGCCCCAACCCAGCTGTTCTCAAAGCTCGTGGGCAGCGCCTTACC
ATCGTGTGGTGGTGGTGGCATTGCCATCTACTGGGGAAGATCTTCGCCCTGAGGCAGCGCTACCGGG
TGGACAGCAACCAGGAGCTGGTGGCCTGGGCTCAGTAACCTTATCGGAGGCATCTTCCAGTGTCTCC
CGTGAGTTGCTCTATGTCTCGGAGCCTGGTACAGGAGAGCACCGGGGCAACTCGCAGGTTGCTGGAGCC
ATCTCTTCCCTTTTATCCTCCTCATCATTGTCAAACCTGGGGAACCTTCCATGACCTGCCAAGGCGG
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CTGAAGCAGAGGTGTGGTGTGGATGTGCACTTCTCATCTCCAGAAGAAGAACTGCTCAAGAAGCAGG
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TGGACCTGGGTGCCCTCTCCTTTGTGGACACTGTGTGCCTCAAGAGCCTGAAGAAATTTTCCATGACTT
CCGGGAGATTGAGGTGGAGGTGTACATGGCGCCCTGCCACAGCCCTGTGGTCAAGCAGCTTGAAGCTGGG
CACTTCTCGATGCATCCATCACAAGAAGCATCTTTGCTCTGTCCATGATGCTGTACCTTTGCC
TCCAACACCCGAGGCTGTCCCCGACAGCCCTGTTTCGGTCAACAGACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213032 representing NM_134426
 Red=Cloning site Green=Tags(s)

MGLADASGPRDQTQALLSATQAMDLRRRDYHMERPLLNQEHLEELGRWGSAPRTHQWRTWLQCSRARAYAL
 LLQHLPLVWLPRYPVRDWLLGDLLSGLSVAIMQLPQGLAYALLAGLPPVFGLYSSFYVPVFIYFLFGTSR
 HISVGTFAVMSVMVGSVTESLAPQALNDSMINETARDAARVQVASTLSVLVGLFQVGLGLIHFVVTYL
 SEPLVRGYTTAAAVQVFVSQKYYVFLHLSSHSGPLSLIYTVLEVCWKL PQSKVGTVVTAAVAGVVLVVV
 KLLNDKLLQQLPMPIPGELLTLIGATGISYGMGLKHRFEVDVVGNI PAGLVPPVAPNTQLFSKLVGSAFT
 IAVVGF AIAISL GKIFALRHGYR VDSNQELVALGLSNLIGGIFQCFPVSCSMSRSLVQESTGGNSQVAGA
 ISSLFILLIIVKLGELFHDLPKAVLAAIIIVNLKGMRLQSDMRSLWKANRADLLIWLVTFTATILLNLD
 LGLVVAVIFSLLLVVVRTQMPHYSVLGQVPDIDIYRDVAEYSEAKEVRGVKVFRRSATVYFANAEFYSDA
 LKQRCGVDVDFLISQKKLLKKQEQLKQLQKEEKLKQAGPLLSACLAPQQVSSGDKMEDATANGQED
 SKAPDGSTLKALGLPQPDFHSLILDGALSFVDTVCLKSLKNIFHDFREIEVEVYMAACHSPVVSQLEAG
 HFFDASITKKHLFASVHDAVTFALQHPRPVPDPSVSVTRL

TRTRPLE - GFP Tag - V

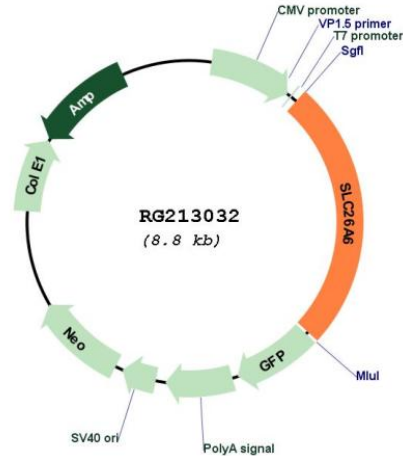
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_134426

ORF Size: 2220 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_134426.3](#)

RefSeq Size: 2605 bp

RefSeq ORF: 2223 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]