

Product datasheet for **RG216483**

SLC26A6 (NM_001040454) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A6 (NM_001040454) 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:

>RG216483 representing NM_001040454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCTGCGGAGGCGAGACTACCACATGGAACGGCCGCTGCTGAACCAGGAGCATTTGGAGGAGCTGG
 GCGCTGGGGCTCAGCACCTAGGACCCACCAGTGGCGGACCTGGTTGCAGTGCTCCCGTGCTCGGGCCTA
 TGCCCTTCTGCTCCAACACCTCCCGTTTTGGTCTGGTTACCCCGGTATCCTGTGCGTGACTGGCTCCTG
 GGTGACCTGTTATCCGGCCTGAGTGTGGCCATCATGCAGCTTCCGCAGGGCTTGGCTACGCCCTCTGG
 CTGGATTGCCCCCGTGTGGCCTCTATAGCTCCTTCTACCCTGTCTTCATCTACTTCTGTTGGCAC
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 CCACACTCAGTGTCTGGTTGGCCTCTCCAGGTGGGGCTGGCCTGATCCACTTCGGCTTCGTGGTCCAC
 CTACCTGTCAGAACCTCTGTCCGAGGCTATACCACAGCTGCAGCTGTGCAGGTCTTCGTCTCACAGCTC
 AAGTATGTGTTTGGCCTCCATCTGAGCAGCCACTCTGGGCCACTGTCCCTCATCTATACAGTGTGGAGG
 TCTGCTGGAAGCTGCCCCAGAGCAAGGTTGGCACCGTGGTCACTGCAGCTGTGGCTGGGGTGGTGTCTGT
 GGTGGTGAAGCTGTTGAATGACAAGCTGCAGCAGCAGCTGCCATGCCGATACCCGGGGAGCTGCTCACG
 CTCATCGGGGCCACAGGCATCTCCTATGGCATGGGTCTAAAGCACAGATTTGAGGTAGATGTCGTGGGCA
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 CTTACCATCGTGTGGTTGGGTTGCCATTGCCATCTCACTGGGAAGATCTTCGCCCTGAGGCACGGC
 TACCGGTGGACAGCAACCAGGAGCTGGTGGCCCTGGCCTCAGTAACCTTATCGGAGGCATCTCCAGT
 GCTTCCCGTGTGTTGCTCTATGTCTCGGAGCCTGGTACAGGAGACACCGGGGGCAACTCGCAGGTTGC
 TGGAGCCATCTTCCCTTTTCATCCTCCTCATATTGTCAAACCTGGGGAACCTTCCATGACCTGCC
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 CCTGGACCTTGGCTTGGTGGTTCGGTTCATCTTCTCCCTGCTGCTCGTGGTGGTCCGGACACAGATGCC
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 TGATGCGCTGAAGCAGAGGTGTGGTGTGGATGTCGACTTCTCATCTCCAGAAGAAGAACTGCTCAAG
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 AGGGCGCCTCAGTTTCCATTAATGTCAACACCAGCCTTGAAGACATGAGGAGCAACAACGTTGAGGACTG
 CAAGATGATGCAGGTGAGCTCAGGAGATAAGATGGAAGATGCAACAGCCAATGGTCAAGAAGACTCCAAG
 GCCCAGATGGTCCACACTGAAGGCCCTGGGCCTGCCTCAGCCAGACTTCCACAGCCTCATCTGGACC
 TGGGTGCCCTCTCTTTGTGGCACTGTGTGCCTCAAGAGCCTGAAGAATATTTTCCATGACTTCCGGGA
 GATTGAGGTGGAGGTGTACATGGCGGCCTGCCACAGCCCTGTGGTCCAGCCAGCTTGAAGCTGGGCACTT
 TTCATGATCCATCACCAAGAAGCATCTTTGCCTCTGTCCATGATGCTGTACCTTTGCCCTCAAC
 ACCCGAGGCTGTCCCGACAGCCCTGTTTCGGTACCAGACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG216483 representing NM_001040454
 Red=Cloning site Green=Tags(s)

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MDLRRRDYHMERPLLNQEHLEELGRWGSAPRTHQWRTWLQCSRARAYALLQHLVPLVWLPYPVPRDWLL
GDLLSGLSVAIMQLPQGLAYALLAGLPPVFGLYSSFYYPVFIYFLFGTSRHSISVGTFAVMSVMVGSVTE
APQALNDSMINETARDAARVQVASTLSVLVGLFQVGLGLIHFVGVVTYLSEPLVRGYTTAAAVQVFVSQL
KYVFGHLHSSHSGLSLIYTVLEVCWKLPQSKVGTVVTAAGVAVLVVVKLLNDKLLQQQLPMPPIGELLT
LIGATGISYGMGLKHRFEVDVVGNIAGLVPPVAPNTQLFVKLVGSAFTI AVVGF AIAISLKGIFALRHG
YRVDSNQELVALGLSNLIGGIFQCFCVSCMSRSLVQESTGGNSQVAGAISSLFILLIIVKLGFHFDLP
KAVLAAIIIVNLKGLRQLSDMRSLWKANRADLLIWLVTFTATILLNLDLGLVVAVIFSLLLVVVVRTQMP
HYSVLGQVPDIDIYRDVAEYSEAKEVRGKVFSSATVYFANAEFYSDALKQRCGVDVDFLISQKKLLK
KQEQLKQLQKEEKLKQAASPKGASVINVNTSLEDMSNNVEDCKMMQVSSGDKMEDATANGQEDSK
APDGSTLKALGLPQPDFHSLILDGALSFVDTVCLKSLKNIHFDFREIEVEVYMAACHSPVVSQLEAGHF
FDASITKKHLFASVHDAVTFALQHPRPVPDPSVSVTRL
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001040454

ORF Size: 2214 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_001040454.1](#), [NP_001035544.1](#)

RefSeq Size: 2750 bp

RefSeq ORF: 2217 bp

Locus ID: 65010

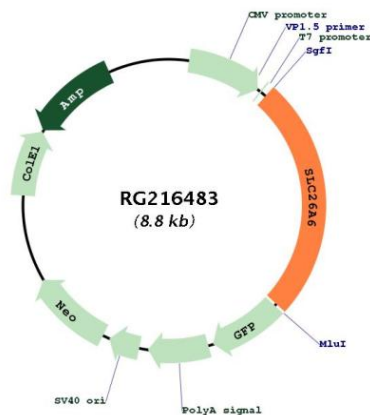
UniProt ID: [Q9BXS9](#)

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 RG216483