

Product datasheet for **RC213032**

SLC26A6 (NM_134426) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A6 (NM_134426) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC26A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC213032 representing NM_134426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGGCGGATGCGTCGGGACCGAGGGACACACAGGCACTGCTGTCTGCAACACAAGCAATGGACC
 TCGGAGGCGAGACTACACATGGAACGGCCGCTGCTGAACCAGGAGCATTGGAGGAGCTGGGGCGCTG
 GGGCTCAGCACCTAGGACCCACCACTGGCGGACCTGGTTGCAAGTCTCCCGTCTCGGGCCTATGCCCTT
 CTGCTCCAACACCTCCCGGTTTTGGTCTGGTTACCCCGGTATCCTGTGCGTGACTGGCTCCTGGGTGACC
 TGTATCCGGCCTGAGTGTGGCCATCATGCAGTTCGCGAGGGCTTGGCCTACGCCCTCCTGGTGGATT
 GCCCCCGTGTGGCCTCTATAGCTCCTTCTACCCTGTCTTCTACTTCTGTTGGCACTTCCCGG
 CACATCTCCGTGGGGACCTTGTGTCTGTGTGATGGTGGGAGTGTGACAGAATCCCTGGCCCCGC
 AGGCCTTGAACGACTCCATGATCAATGAGACAGCCAGAGATGCTGCCCGGTACAGGTGGCTCCACACT
 CAGTGTCTGGTGGCCTTCCAGGTGGGGCTGGGCTGATCCACTTCGGCTTCGTGGTCACTACCTG
 TCAGAACCTTTGTCGAGGCTATACCACAGCTGCAGCTGTGAGGTCTTCGTCTCACAGCTCAAGTATG
 TTTTTGGCCTCCATCTGAGCAGCCACTCTGGGCCACTGTCCCTCATCTATACAGTCTGGAGGTCTGCTG
 GAAGCTGCCCCAGAGCAAGGTTGGCACCGTGGTCACTGCAGCTGTGGCTGGGGTGGTCTCGTGGTGGT
 AAGCTGTTGAATGACAAGCTGCAGCAGCAGCTGCCCATGCCGATACCCGGGGAGCTGCTCACGCTCATCG
 GGGCCACAGGCATCTCCTATGGCATGGGTCTAAAGCACAGATTTGAGGTAGATGTCGTGGGAACATCCC
 TGCAGGGCTGGTCCCCCAGTGGCCCCAACCCAGCTGTTCTCAAAGCTCGTGGGCAGCGCCTTACC
 ATCGTGTGGTTGGTTGGCATTGCCATCTACTGGGGAAGATCTTCGCCCTGAGGCAGCGCTACCCGG
 TGGACAGCAACCAGGAGCTGGTGGCCTGGGCTCAGTAACCTTATCGGAGGCATCTTCCAGTGTCTCCC
 CGTGAGTTGCTCTATGTCTCGGAGCCTGGTACAGGAGAGCACCGGGGCAACTCGCAGGTTGCTGGAGCC
 ATCTCTTCCCTTTTATCCTCCTCATCATTGTCAAACCTGGGGAACCTTCCATGACCTGCCAAGGCGG
 TCCTGGCAGCCATCATCATTGTGAACCTGAAGGGCATGCTGAGGCAGCTCAGCGACATGCCTCCCTCTG
 GAAGGCCAATCGGGCGGATCTGCTTATCTGGTGGTGACCTTACGGCCACCATCTTGTGAACCTGGAC
 CTTGGCTTGGTGGTTGCGGTCTCTTCCCTGCTGCTCGTGGTGGTCCGGACACAGATGCCCACTACT
 CTGTCTGGGGCAGGTGCCAGACACGGATATTTACAGAGATGTGGCAGAGTACTCAGAGGCCAAGGAAGT
 CCGGGGGTGAAGTCTCCGCTCCTCGGCCACCGTGTACTTTGCCAATGCTGAGTTCTACAGTGTGCG
 CTGAAGCAGAGGTGTGGTGTGGATGTGCACTTCTCATCTCCAGAAGAAGAACTGCTCAAGAAGCAGG
 AGCAGCTGAAGCTGAAGCAACTGCAGAAAGAGGAGAAGCTTCGGAACAGGCAGGCCCCCTTTGTCTGC
 ATGTCTGGCTCCCCAGCAGGTGAGCTCAGGAGATAAGATGGAAGATGCAACAGCCAAATGGTCAAGAAGAC
 TCCAAGGCCCCAGATGGGTCCACACTGAAGGCCCTGGGCTGCCTCAGCCAGACTTCCACAGCCTCATCC
 TGGACCTGGGTGCCCTCTCCTTTGTGGACACTGTGTGCCCAAGAGCCTGAAGAAATTTTCCATGACTT
 CCGGGAGATTGAGGTGGAGGTGTACATGGCGCCCTGCCACAGCCCTGTGGTCAAGCAGCTTGAAGGCTGG
 CACTTCTCGATGCATCCATCACAAGAAGCATCTTTGCTCTGTCCATGATGCTGTACCTTTGCC
 TCCAACACCCGAGGCTGTCCCCGACAGCCCTGTTTCGGTACCAGACTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213032 representing NM_134426
 Red=Cloning site Green=Tags(s)

MGLADASGPRDQTQALLSATQAMD LRRRDYHMERPLL NQEHLEELGRWGSAPRTHQWRTWLQCSRARAYAL
 LLQHLPLVLVWLP RYPVRDWLLGDLLSGLSVAIMQLPQGLAYALLAGLPPVFGLYSSFYFVFYFVLFVGTSR
 HISVGTFAVMSVMVGSVTE SLAPQALNDSMINETARDAARVQVASTLSVLVGLFQVGLGLIHFVGVVTYL
 SEPLVRGYTTAAAVQVFVSQ LKYVFGHLHSSHSGLSLIYTVLEVCKWLPQSKVGTVVTA AVAGVVLVVV
 KLLNDKLQQQLPMP IPGELLTLIGATGISYGMGLKHRFEVDVVGNI PAGLVPPVAPNTQLFSKL VGS AFT
 IAVVGF AIAISL GKIFALRHGYR VDSNQELVALGLSNLIGGIFQCFPVSCS MSRSLVQESTGGNSQVAGA
 ISSLFILLIIVKL GELFHDLPKAVLAAIIIVNLKGMLRQLSDMRSLWKANRADLLIWLVTFTATILLNLD
 LGLVVAVIFSLLLVVVRTQMPHYSVLGQVPD TDIYRDVAEYSEAKEVRGVK VFRSSATVYFANA EFYSDA
 LKQRCGVDVDFLISQKKLLKKQEQLKQLQKEEKLRKQAGPLLSACLAPQQVSSGDKMEDATANGQED
 SKAPD GSTL KALGLPQPDFHSLILD LGALSFVDTVCLKSLKNIFHDFREIEVEVYMAACHSPVVSQLEAG
 HFFDASITKKHLFASVHDAVTFALQHPRPVPD SPVSVTRL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8012_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_134426

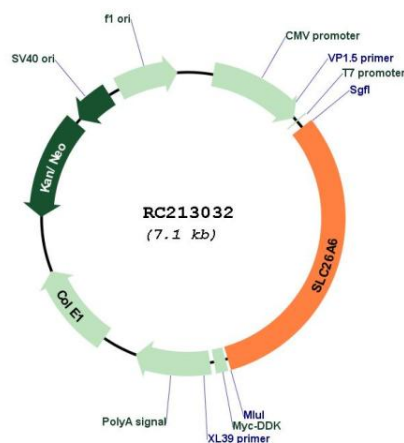
ORF Size: 2220 bp

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](#)

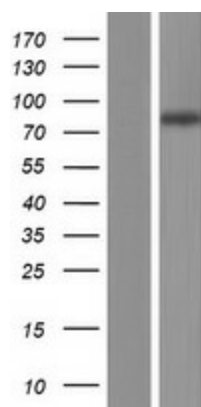
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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
MW:	80.6 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 RC213032



Western blot validation of overexpression lysate (Cat# [LY408750]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213032 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).