

## Product datasheet for **RC219071**

### SLC26A9 (NM\_134325) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A9 (NM_134325) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC26A9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC219071 representing NM\_134325  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCCAGCCCAGGCCCGCTACGTGGTAGACAGAGCCGCATACTCCCTTACCCTCTTCGACGATGAGT  
 TTGAGAAGAAGGACCGGACATACCCAGTGGGAGAGAACTTCGCAATGCCTTCAGATGTTCTCAGCCAA  
 GATCAAAGCTGTGGTGTGGGGCTGCTGCCTGTGCTCTCCTGGCTCCCAAGTACAAGATTAAGACTAC  
 ATCATTCTGACCTGCTCGGTGGACTCAGCGGGGATCCATCCAGGTCCCACAAGGCATGGCATTGCTC  
 TGCTGGCCAACTTCTGCAGTCAATGGCCTCTACTCCTCTTCCCCCTCCTGACCTACTTCTCTCT  
 GGGGGTGTTCACCAGATGGTGCAGGTACCTTTGCCGTTATCAGCATCCTGGTGGGTAACATCTGTCTG  
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 CCATGGAGGCTGAGAGGCTGCACGTGTCAGCTACGCTAGCCTGCCTCACCGCCATCATCCAGATGGTCT  
 GGGCTTATGCAGTTTGGCTTTGTGGCCATCTACCTCTCCGAGTCTTATCCGGGGCTTATGACGGCC  
 GCCGGCTGCAGATCCTGATTCGGTGTCAAGTACATCTTCGGACTGACCATCCCTCTACACAGGCC  
 CAGGGTCCATCGTCTTACCTTCATTGACATTTGCAAAAACCTCCCCACACCAACATCGCTCGCTCAT  
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 A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219071 representing NM\_134325  
 Red=Cloning site Green=Tags(s)

MSQPRPRVVDRAAYSLTLFDDEFKDRTPVGEKLRNFRCSAKIKAVVFGLLPVLVSWLPKYKIKDY  
 IIPDLLGGLSGGSIQVPQGMFAALLANLPAVNGLYSSFFPLLTYFFLGGVHQMVPGTFAVISILVGNICL  
 QLAPESKFQVFNATNESYVDTAAMEAERLHVSATLACLTAIIQMGLGFMQGFVAIYLSSEFIRGFMTA  
 AGLQILISVLKYIFGLTIPSYTGPGSIVFTFIDICKNLPHTNIASLIFALISGAFLVLVKELNARYMHKI  
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 VLGIIYLYPLPKSVL GALIAVNLKNSLKQLTDPYYLWRKSKLDCCIWVVSFLSSFFLSLPYGVAVGVAFSV  
 LVVVVFQTFRNGYALAQVMDTDIYVNPKTYNRAQDIQGIKIIITYCSPLYFANSEIFRQKVIAKTGMPDQK  
 VLLAKQKYLKQEKRRMRPTQRRSLFMKTKTVSLQELQQDFENAPPTDPNNTQTPANGTSVSYITFSPD  
 SSSPAQSEPPASAEAPGEPDMLASVPPVTFHTLILDMGSVSVVDMGKALAKLSSTYKIGVKVFLV  
 NIHAQVYNDISHGGVFEDGSLECKHVFPSIHDAVLF AQANARDVTPGHNFQAGDAELSLYDSEEDIRS  
 YWDLQEMFGSMFHAETLTALESL SAAGGCYPYGESELSVSPLFTRQALAMDKPPAHSTPPTSALSLAAE  
 GHLD FQLLRVVSQKQKDKYNCAGLLYK LQKVSQSPHGSVSDGVRLSRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

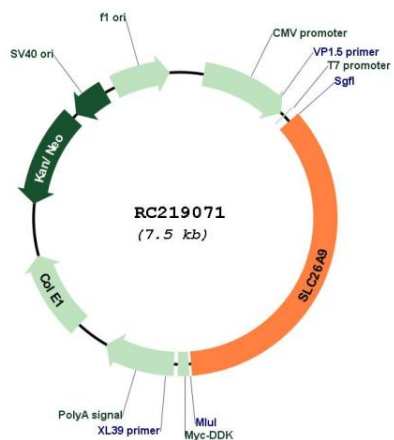
SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_134325
<b>ORF Size:</b>	2661 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_134325.1</a> , <a href="#">NP_599152.1</a>
<b>RefSeq Size:</b>	4638 bp
<b>RefSeq ORF:</b>	2664 bp
<b>Locus ID:</b>	115019
<b>UniProt ID:</b>	<a href="#">Q7LBE3</a>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	97.1 kDa
<b>Gene Summary:</b>	This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in their genomic (number and size of exons) and protein (aa length among species) structures yet have markedly different tissue expression patterns. The product of this gene is a highly selective chloride ion channel regulated by WNK kinases. Alternative splicing results in multiple transcript variants encoding differing isoforms.[provided by RefSeq, Dec 2008]

Product images:



Circular map for RC219071