

## Product datasheet for **RC213861**

### SLC12A9 (NM\_020246) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC12A9 (NM_020246) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC12A9
Synonyms:	CCC6; CIP1; hCCC6; WO3.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC213861 representing NM\_020246  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCCAGCGAGAGCTCACCTCTGCTGGCCTACCGGCTCTGGGGAGGAGGGGGTTGCCCTCCCTGCCA  
 ATGGGGCCGGGGTCTTGAGGGGGCTGCCCCGGAAGCTGTCCACCTTCTGGGTGGTGGTGGCCAC  
 TGTCTGTCCATGTTTCAGCATAGTTGTTTTCTGAGGATTGGTTTCGTGGTGGGTCATGCTGGGCTACTG  
 CAGGCCCTGGCCATGCTGCTGGTTCCTACTTTCATCTGGCACTCACCGTCTCTGTCTGTGCCATCG  
 CCACCAATGGAGCCGTGCAGGGGGCGGAGCCTACTTTCATGATCAGCCGCACACTGGGGCCGAGGTCGG  
 GGGCAGCATTGGGCTCATGTTCTACCTGGCTAACGTCTGTGGCTGTGCCGTCTCCCTCTGGGGTGGT  
 GAGTCTGTGCTTGTGCTTCGGGGCCGATGCCACAGGGCCAGTGGGCTCCGGTCTGCCCCAGGGCT  
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 CCCGGTTTGGCCACTTACCGGCTTCAACAGCAGTACCCTGAAGGACAATTGGGCGCTGGCTATGCTGA  
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 ATCATGGCTGGGGCAACATGTCAGGGGAGCTGAAGGACCCAGCCGGGGGATCCCTCTGGGCACGATCG  
 TCGCCGTGCCTACACCTTCTTCGTCTATGTCTGCTTTTCTTTCTCCAGCTTCACTTGTGACAGGAC  
 CCTGCTGCAGGAAGACTATGGGTCTTCCGCGCCATCAGCCTGTGGCCCCACTGGTGTGATCGGAATC  
 TATGCCACAGCGCTCTCAGCGTCCATGAGCTCGCTCATTGGTGCCTCCCGCATCTCCATGCCCTGGCCC  
 GGGATGACCTCTTGGCGTGATCTTGGCACCGCCAAAGTTGTGTCCGAGGGGGAAACCCCTGGGCAGC  
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 GCACTGTCTTCTACCTGGTGGCTATGCTGCCGTGGACCTGTCTGCCTGAGCCTGGAGTGGGCTCGG  
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 GCTCATGATGTTCTCATCAGTCTGGCGGGCTGGTGGCTCCCTGCTCCTCATGGGTCTGCTGGCTGCC  
 CTGCTCACCGCGGAGGAGGCCAGTAGCTGGGGCTATGTCAGCCAGGCCTTGTCTTCCACAGGTGC  
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 GGTGGGAACCCCGGGCGCCCTGCCTCTGCTGCGGTTGGCCAACCAGCTTAAGAAGGGGGGGCTGTAT  
 GTGCTGGGCCACGTCACCCTGGGAGACCTCGACTCCCTGCCCTCGGACCCTGTACAGCCGAGTATGGGG  
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 CCAGGGAGGGCAGTTCCCGAGCTCTGAGCACCTGTTCCCTCCTCCCCGGGCTCTGGGAGCCCCGGGC  
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 TGGACGTGTGGCCCTCAACCTGCTGCGCCCCGGGTGGGCCCGGCTATGTGGATGTCTGCGGCCTCTT  
 CCTGCTGCAGATGGCAACCATCTTGGGCATGGTGGCCGTTGGCATAGCGCCCGGCTCCGGATCTTCTG  
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 AGGGGACTTTGTGAACAGTGGGCGGGGAGAGCAGAGGCAGAGGCCCTGGCACGCAGCGCAACGCCCTG  
 GTTCGGGCCAGCAGGGGCGGGCAGAGGAGGGCCGGGTGGGCCGAGGGTGGGGATGCTGAGGGCC  
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 GGGCTACTGGAGACTCTAACCCGAGACCTGGGCCCCACGCTGCTGGTTCATGGGGTCACTCCAGTCACC  
 TCACTGATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213861 representing NM\_020246  
 Red=Cloning site Green=Tags(s)

MASESSPLLAYRLLGEEGVALPANGAGGPGGASARKLSTFLGVVPTVL SMFSIVVFLRIGFVVGHAGLL  
 QALAMLLVAYFILALTVLSVCAIATNGAVQGGGAYFMISRTLGPVEVGGSIGLMFYLANVCGCAVSLGLV  
 ESVLDVFGADATGPSGLRVL PQYGWNLLYGSLLLGLVGGVCTLGAGLYARASFLTFLVSGSLASVLI  
 FVAVGPRDIRLTPRPGPNGSSLPFRFGHFTGFNSSTLKDNLGAGYAEDYTTGAVMNFASVFAVLFNGCTG  
 IMAGANMSGELKDPSSRAIPLGTIVAVAYTFFVYVLLFFLSSTCDRTLLQEDYGFRAISLWPLVLI  
 YATALSASMSLIGASRILHALARDDLFGVILAPAKVVSRRGNPWAAYVLSWGLVQLVLLAGKLNLAAY  
 VTFYFLVAYAAVDLSCLSLEWASAPNFRPTFLSFSWHTCLLGVASCLLMMFLISPGAAGSLLMLGLLAA  
 LLTARGGPSSWGYVSQLLFHQVRKYLRLDVRKDHVKFWRPQLLLL VGNPRGALPLRLANQLKKGGLY  
 VLGHVTLGDLDSLPSDPVQPQYGAWLSLVDRAQVKAFVDLTLSPSVRQGAQHLLRISGLGGMKPNLTVLG  
 FYDDAPPQDHFLLTDPAFSEPADSTREGSSPALSTLFPFPRAPGSPRALNPQDYVATVADALKMKNVLA  
 RASGALPPERLSRSGSGTSQLHHVDVWPLNLLRPRGGPGYVDVCGFLFLQMATILGMVPAWHSARLRI  
 FLCLGPREAPGAAEGRLLALLSQLRIRAEVQEVVWGEAGAGEPEAEEDGFVNSGRDAEAEALARSANAL  
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 CTDL

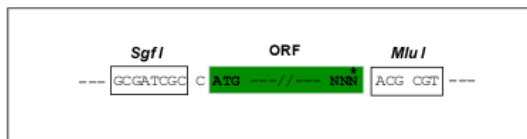
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8119\\_g10.zip](https://cdn.origene.com/chromatograms/mk8119_g10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



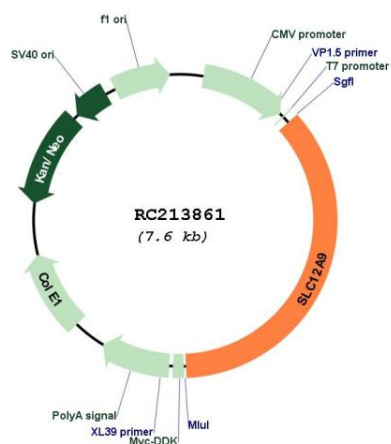
\* The last codon before the Stop codon of the ORF

ACCN: NM\_020246

ORF Size: 2742 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_020246.4</a>
<b>RefSeq Size:</b>	3322 bp
<b>RefSeq ORF:</b>	2745 bp
<b>Locus ID:</b>	56996
<b>UniProt ID:</b>	<a href="#">Q9BXP2</a>
<b>Cytogenetics:</b>	7q22.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	96.6 kDa
<b>Gene Summary:</b>	May be an inhibitor of SLC12A1. Seems to correspond to a subunit of a multimeric transport system and thus, additional subunits may be required for its function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213861