

## Product datasheet for **RR203274**

### **Slco4c1 (NM\_001002024) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slco4c1 (NM_001002024) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slco4c1
Synonyms:	Oatp-H; Oatp-M1; Oatp4c1; Slc21A20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR203274 representing NM\_001002024  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAGGGTTCCAAGGGAGTCGAGAACCCGGCATTTCGTCCCTCCAGCCCAGACACCCACGCCGTGCGT  
 CTGCGTCGCCTTCCCAGGTGGAGGTCTCTGCTGTGGCCTCCAGGAATCAGAATGGGGTTCGCAACCTCG  
 GGAATCTGAAGATCCCCAGAAGTCAACTGAGCCATCTCCTCCTTCTCGACTCTCCAGTCTCTGATGAG  
 CCGCCGGGTACAGCTAAGCGAGCTTGAGGAGGGACCTTGCGGTGGAGGAACCTCCACCCCAAGTGT  
 TTCAGCGCTGCAACAACCCAAAGGTTTTCTGCTTCACTACTGTCTTTAGCCCTAACGCAAGGTATTGT  
 AGTAAATGGCCTAGTAAATATTAGCATTCCACCATCGAGAAGCGCTATGAAATGAAGAGTTCCTGACC  
 GGCCTGATATCATCGAGCTACGACATCTCCTTTGCGTGTGTCTCTGTTGTGTCTTTCTTTGGTGA  
 GAGGACACAAACCTCGTGGCTTGCCTTTCATCCTTTATGATCGGACTGGGAGCGCTGGTGTTCCTTT  
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 AATAATAGTACTTCCTTCCAACATATGGATGAAAATTTGGGAAAAGTATTAAGATTTTCCAAGTCTG  
 TGAAGAATTTGATGAGGAATACAGTCTTATATGTTTAGTCTATCAACTACTTGAAGCACTAGTTAC  
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 AATTCAAATGAAGGTAAAAATACAATGAAGTTTGCCTTATGTACATCTGGAGTAGCACTTATGCTGAG  
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 TCACAGACAGCGATCTCTAGCACTGGGAGTGCAGTTCATGCTTCTCGGTTGTTAGGCACGATACCTGGG  
 CCAATTATATTTGGCGTCACAATAGACAGCACGTGTGTTCTGTGGGACATCAATGAATGTGGAACAAAGG  
 GGGCGTGTGGATCTATGATAACATCAGGATGGCGCATATGCTGGTGGCTATAAGTGTACTTGTAAAGT  
 CATCCCATATTTCAATGGACTTGCATAGTTCTCTATAAACCACCGCCCCAGGAACGGAGGTATCA  
 TTTCAAAGTCAGAATGTAGTTGTGTCGACGATTACAGTGGAGGAGACCTCAACAAAATAGAGAACGAAG  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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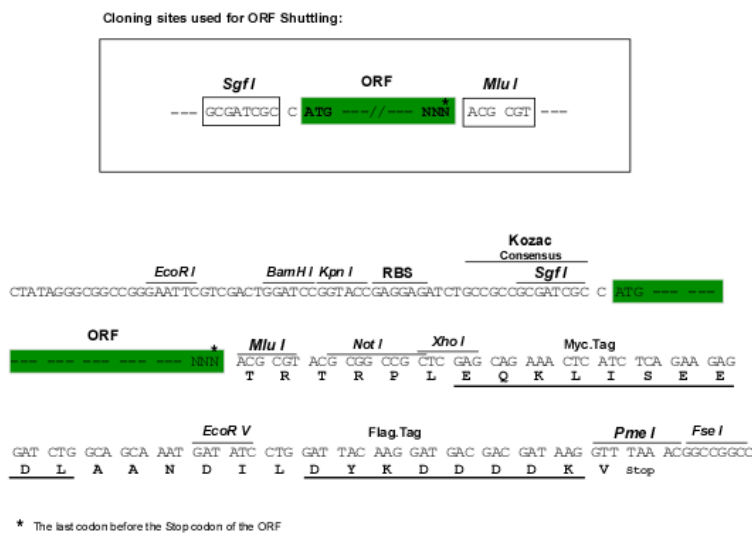
**Protein Sequence:** >RR203274 representing NM\_001002024  
Red=Cloning site Green=Tags(s)

MQGSKGVENPAFVPPSPDTPRRASASPSQVEVSAVASRNQNGGSQPRESEDPQKSTEPSPPSSTLPASDE  
 PPGSQLSELEEGPCGWRNFHPQCLQRCNNPKGFLHYCLLALTQGIVVNGLVNIISISTIEKRYEMKSSLT  
 GLISSYDISFCVLSLFSVFFGERGHKPRWLAFAFMIGLGALVFLPHFFSGRYELGTIFEDTCLTRNS  
 TRCASSTLLSNFYFVFLGQLLLGTGGTPLYTLGTAFIDDSVPTHKSSLYIGIGYSMSILGPAIGYVVG  
 GQLLTMYIDVAMGQSSDLTEDDPRWLGAWWIGFLLAWLFAWSLIMPFSCFPKHLPGTAKIQAGKTSQTHQ  
 NNSTSFQHMDENFGKSIKDFPTAVKNLMRNTVFICLVLTSTSEALVTTGFATFLPKFIENQFGLTSSFAA  
 TLGGAVLIPGAALGQILGGVLSKFKMKCKNTMKFALCTSGVALMSFVFIYAKCENGPAGVSESYNGT  
 GEMGNLTAPCNANCNCLRSYYYPLCGSDGVQYFSPCFAGCLNSVSNRKPAYNCSCIERKVDITSTAXS  
 PDFEARAGKCKTQCSNLPIFLGIFFITVIFTMAGTPTITVSILRCVNRQRSLALGVQFMLLRLLGTIPG  
 PIIFGVTIDSTCVLWDINECGTKGACWIYDNIRMAHMLVAISVTCKVITIFFNGLAIVLYKPPPPGTEVS  
 FQSQNVVSTITVEEDLNKIENEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001002024

**ORF Size:** 2172 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\\_001002024.1](#), [NP\\_001002024.1](#)

**RefSeq Size:** 2175 bp

**RefSeq ORF:** 2175 bp

**Locus ID:** 432363

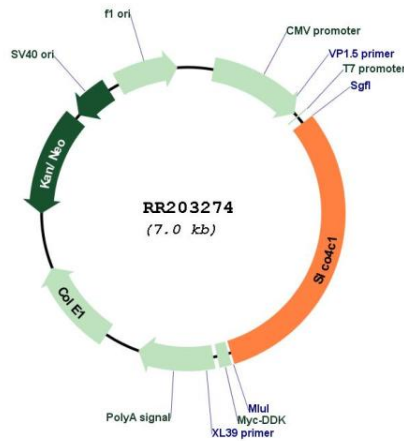
**UniProt ID:** [Q71MB6](#)

**Cytogenetics:** 9q36

**MW:** 78.7 kDa

**Gene Summary:** member of the organic anion transporter (OATP) family; involved in the membrane transport of numerous proteins, including bile acids, conjugated steroids, peptides, and drugs (such as digoxin), in multiple tissues [RGD, Feb 2006]

**Product images:**



Circular map for RR203274