

Product datasheet for **MC221128**

Slco4c1 (NM_172658) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco4c1 (NM_172658) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slco4c1
Synonyms:	9530051F04; C330017E21Rik; OATP-H; OATP-M1; oatp-R; OATP4C1; OATPX; PRO2176; SLC21A20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221128 representing NM_172658
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATG**CAGGGCTCCAAAGGAATAGAGA**ACCCGGCTTTCGTCCTTCCAGCCCAGGCACCCACGCCGTGCGT
 CTGCTTCGCCCTCCAGGTGGAGGTCTCTGCTGTGGCCTCCAGGAATCAGAATGGGGTTTCGCAGCCTCG
 GGAATCTGAGGAGCCTCAGAAGTCAACTGAGCCATCCCGCCTTCTCGAATCCCCAGCTTCTGATGAG
 CCGCCGGGGT**CACAGCTAAGCGAGCTT**GAGGAGGGACCTTGCGGTGGAGGGGCTTTCACCCCAAGTGT
 TCCAGCGCTGCAACACCCCAAGGCTTTTGGCTCACTACTGTCTTTAGCCCTAACGCAAGGTATTGT
 AGTAAACGGCCTGGTAAACATTAGCATCTCCACCATTGAGAAGCGTTATGAAATGAAAAGCTCACTGACA
 GGCCTGATATCATCGAGCTACGACATCTCCTTTTGTGTGTATCTCTATTTGTGTCTTTCTTTGGGAGA
 GAGGACACAAACCTCGTGGCTCGCCTTTGCATCCTTTATGATAGGCCTGGGAGCGCTGGTGTTCCTT
 ACCACACTTCTCAGTGAAGATATGAACTGGGATCCATTTTGAAGATACGTGCTTAACAAGGAACAGT
 ACCAGATGTTTCATCTTCAACCTCCTCGCTTCTAACTACTTCTATGTCTTTGTCCTGGGACAATTGTTGC
 TGGGGACCGGAGGGACTCCGCTCTACACCTGGGGACAGCCTTTATTGATGACTCTGTGCCACACACAA
 ATCTTCTCTATATAGGTATTGGCTATTCTATGTCAATCCTAGGCCCTGCCATTGGATATGTGTTGGGT
 GGACAGCTGTTGACAATGTACATTGATATTGCTATGGGACAAAGTTCCGATCTGACTGAGGATGATCCCC
 GGTGGCTGGGGCTTGGTGGATTGGATTCTTTAGCTTGGCTCTTTGCTTGGTCTTTGATAATGCCTTT
 CTCCTGTTTTCCAAGCATTTACCAGGGACAGCAAAAATCAAGCTGGCAAAACTTCCAGACTCATCAA
 AATAATAGTACTCCTTCCAACATACGGATGAAAATTTGGAAAAAGTATTAAGATTTTCCAAGCTGCTG
 TAAAGAATTTGATGAGGAATACAGTCTTATATGTTTGTCTATCAACTACTTGAAGCATTAAATAC
 TACGGGATTTGCCACATTTTACCTAAATTTATAGAAAATCAATTTGGATTGACATCGAGCTTTCAGCC
 ACTCTTGGAGGGCTGTTTTAATCCTGGAGCTGCTCTTGGTCAAATCTAGGTGGTGTCTTGTTCAA
 AATTCAAATGAAGTGTAAAAATACAATGAAGTTTGCCTTATGTACATCTGGAGTAGCACTTGTGCTGAG
 TTTTGTATTTATTTATGCAAAATGTGAAAATGAGCCATTTGCTGGTGTGCTGAATCATATAATGGA
 ACTGGAGAAATGGGAAATTTGACTGCACCTTGAATGCCAAGTCAACTGTTTGGGCTCTACTATTACCCAC
 TCTGTGGAAGTATGGAATCCAGTATTTTCTCCCTGCTTTCAGGTTGTTTAAACTCAGTTTCAAACAG
 GAAACCAAGGTATATTATAATTGTTTCTGTATAGAAAGGAAAATCACTTCTACTGCAGAAAGTACTGAT
 TTTGAAGCTAAAGCTGGAAAATGTAGAAGTGGTGTCAAAGTGGCCATATTTCTTGGCATTCTTCTCA
 TTACAGTTATCTTACCTTTATGGCAGGCACTCTATAACTGTGTCTATATTAAGGTGTGTTAATCACAG
 ACATCGGTCTCTAGCATTGGGAGTGCAGTTCATGCTTCTTCGATTGCTAGGTACAATACCTGGGCCAATT
 ATATTTGGTGTCAATAATAGACAGCACATGTGTTCTGTGGGATGTCAATGAATGTGGAATAAAGGAGCAT
 GTTGGATTTATGATAACATCAAGATGGCACATATGCTGGTAGCTATAAGTGTACTTGTAAAGTTATCAC
 CATATTCTTCAATGGACTTGGCATTGTTCTCTATAAACCCAGCCCGCCAGGAACAGAGGTATCATTTCAA
 AGTCAGAAATGTCATTGTGTCTACTATTTCCGGTCAAGAGGATCTAGACAAAGCAGAAAATGAAGGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172658

Insert Size: 2169 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_172658.3</u> , <u>NP_766246.1</u>
RefSeq Size:	2394 bp
RefSeq ORF:	2169 bp
Locus ID:	227394
UniProt ID:	<u>Q8BGD4</u>
Cytogenetics:	1 D
Gene Summary:	Organic anion transporter, capable of transporting pharmacological substances such as digoxin, ouabain, thyroxine, methotrexate and cAMP. May participate in the regulation of membrane transport of ouabain. Involved in the uptake of the dipeptidyl peptidase-4 inhibitor sitagliptin and hence may play a role in its transport into and out of renal proximal tubule cells. May be involved in the first step of the transport pathway of digoxin and various compounds into the urine in the kidney. May be involved in sperm maturation by enabling directed movement of organic anions and compounds within or between cells. This ion-transporting process is important to maintain the strict epididymal homeostasis necessary for sperm maturation. May have a role in secretory functions since seminal vesicle epithelial cells are assumed to secrete proteins involved in decapacitation by modifying surface proteins to facilitate the acquisition of the ability to fertilize the egg.[UniProtKB/Swiss-Prot Function]