

## Product datasheet for **SC307242**

### **SLCO4C1 (NM\_180991) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLCO4C1 (NM_180991) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLCO4C1
Synonyms:	OATP-H; OATP-M1; OATP4C1; OATPX; PRO2176; SLC21A20
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_180991 edited
AGAACCCATCCAGACATGAAGAGCGCCAAAGGTATTGAGAACTTGGCTTTTGTCCCCTCC
AGCCCAGACATCCTGCGCCGCTTGTCTGCGTCGCCCTCCCAAATCGAAGTCTCTGCCTTG
TCCTCTGACCCCCAAAGAGAGAATTCTCAGCCACAGGAGCTTCAGAAGCCCCAGGAGCCC
CAGAAGTACCAGAGCCATCTCTGCCTCAGCCCCTCCAATGTCTCCGAAGAGAAGCTC
CGGTCACTGTCTGCTGCCGAGTTTGAGGAGGGGTCTTACGGCTGGAGGAACTTCCATCCT
CAATGTCTCCAGCGCTGCAACACACCTGGAGGCTTTCTGCTTCACTACTGCCTCTTGGCC
GTCACGCAAGGTATTGTAGTTAATGGCCTAGTAAATATTAGCATTTCCTACTGTTGAGAAG
CGTTATGAAATGAAGAGTTCCCTGACTGGCCTGATTTTCATCAAGCTACGATATTTTCATTC
TGTTTGTGTCTTTATTTGTATCATTCTTTGGTAAAAGAGGACATAAGCCGAGATGGCTT
GCATTTGCAGCCTTTATGATTGGACTGGGAGCACTTGTATTCTCATTGCCACAATTTTTTC
AGTGGAGAATATAAATTGGGGTCTCTTTTTGAAGACACTTGTGTAACAACAAGGAATAGC
ACCAGTTGTACATCTTCAACTTCTTCACTTTCTAACTACTTGTATGTCTTCATCTGGGA
CAACTATTGCTGGGGCAGGAGGAACTCCTCTTATACTCTGGGAACAGCCTTTCTTGAT
GATTCTGTGCCACACACAAGTCTTCTCTATATAGGAACCGGTTATGCTATGTCAATC
TTAGGCCCTGCTATTGGCTATGTATTGGGAGGACAACCTGTAACCATATACATTGATGTT
GCTATGGGAGAAAAGCACTGATGTCACTGAGGATGATCCGCGATGGTTGGGAGCTTGGTGG
ATTGGGTTTCTTCTATCATGGATCTTTGCTTGGCTTTAATAATACCTTTTTCTTGCTTT
CCAAAACATTTACCAGGTACAGCAGAAATTCAGCTGGAAAACTTCCCAGGCTCATCAG
AGTAATAGTAATGCAGATGTGAAATTTGGAAAAAGTATTAAGATTTTCCAGCTGCTCTA
AAGAATTTGATGAAGAATGCTGTCTTTATGTGTTAGTTCTATCAACTTCTTCAGAAGCC
TTAATTACTACTGGATTTGCTACATTTTTACCTAAATTTATAGAAAATCAATTCGGATTG
ACATCCAGCTTCGCAGCTACTCTTGGAGGGGCTGTTTTAATTCCTGGAGCTGCTCTCGGT
CAAATTTTAGGTGGCTTCCTTGTTCAAAATTCAGAATGACATGTAAAAACACAATGAAG
TTTGCCTGTTACATCTGGAGTTGCACTTACGCTGAGTTTTGTATTTATGTATGCCAAA
TGTGAAAATGAGCCATTTGCTGGTGTATCTGAATCATATAATGGGACTGGAGAATTGGGA
AACTTGATAGCCCCTTGAATGCCAATTGTAAGTGTTCGCGATCATATTATTATCCTGTC
TGTGGAGATGGAGTCCAATTTTTCTCCCTGCTTTCAGGCTGTTCAAACCCAGTTGCA
CACAGGAAGCCAAAGGTATATTACAAGTTCCTGTATTGAAAGGAAAACAGAAATAACA
TCCACTGCAGAACTTTTGGTTTTGAAGCTAAAGCTGGAAAATGTGAAACTCATTGTGCG
AACTGCCATATTCCTTTGCATTTTCTTTATTGTAATTTTTACCTTTATGGCCGGT
ACTCCTATAACTGTGTCTATCCTAAGGTGTGTTAATCACAGACAACGGTCCCTAGCCTTG
GGAATACAATTTATGGTCTTCGATTATTAGGGACAATTCCTGGACCAATTATATTTGGT
TTCACAATAGACAGCACATGTATTCTTTGGGATATAAATGATTGTGGAATTAAGGAGCT
TGCTGGATTTATGATAACATCAAGATGGCCCATATGCTAGTAGCCATAAGTGTTACTTGT
AAAGTTATCACCATGTTCTTCAATGGATTTGCAATCTTTTTGTATAAACCACCTCCATCA
GCCACAGATGTGCATTTATAAAGAGAATGCAGTTGTGACTAATGTTTTAGCAGAACAG
GATCTCAACAAAATAGTAAAAGAAGGGTGAATGGGAAAAGAGAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_180991 unedited NGGTTTACATTTGTATACGACTCATATAGGGCGGCCGGAATCAGATCTGGTACCGAGC TCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTAGAACCCATCCAGAC ATGAAGAGCGCCAAAGGTATTGAGAACTGGCTTTTGTCCCCTCCAGCCCAGACATCCTG CGCCGCTTGTCTGCGTCGCCCTCCCAAATCGAAGTCTCTGCCTTGTCTCTGACCCCAA AGAGAGAATTCTCAGCCACAGGAGCTTCAGAAGCCCCAGGAGCCCAGAAGTCACCAGAG CCATCTCTGCCTTCAGCCCTCCCAATGTCTCCGAAGAGAAGCTCCGGTCACTGTGCTG TCCGAGTTTGAGGAGGGTCTTACGGCTGGAGGAACCTCCATCCTCAATGTCTCCAGCGC TGCAACACACCTGGAGGCTTTCTGCTTCACTACTGCCTCTTGGCCGTCACGCAAGGTATT GTAGTTAATGGCCTAGTAAATATTAGCATTTCCTACTGTTGAGAAGCGTTATGAAATGAAG AGTTCCCTGACTGGCCTGATTTTCATCAAGCTACGATATTTTCACTTGTGTTGTCTTTA TTTGTATCATTCTTTGGTAAAGAGGACATAAGCCGAGATGGCTTGCATTTGCAGCCTTT ATGATTGGACTGGGAGCACTTGTATTCTCATTGCCACAATTTTTTTCAGTGGAGAATATAAN ATTTGGTCTCTTTTGAAGACACTTGTGTAACAACAAGGAATAGCACCAGTTGTACATCT TCAACTTCTTCACTTTCTAACTACTTGTATGTCTTCACTTGGGACAACCTATTGCTGGGG GCANGAGGAACNNCTTATACTCTGGGAACAGCCTTTTCTGATGATTCTGTGCCCCAC ACA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_180991
<b>Insert Size:</b>	2200 bp
<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	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>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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>

RefSeq: [NM\\_180991.4](#), [NP\\_851322.3](#)

RefSeq Size: 5334 bp

RefSeq ORF: 2175 bp

Locus ID: 353189

UniProt ID: [Q6ZQN7](#)

Cytogenetics: 5q21.1

Protein Families: Transmembrane

**Gene Summary:** SLCO4C1 belongs to the organic anion transporter (OATP) family. OATPs are involved in the membrane transport of bile acids, conjugated steroids, thyroid hormone, eicosanoids, peptides, and numerous drugs in many tissues (Mikkaichi et al., 2004 [PubMed 14993604]). [supplied by OMIM, Mar 2008]