

Product datasheet for **SC108172**

SLCO4A1 (NM_016354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO4A1 (NM_016354) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLCO4A1
Synonyms:	OATP-E; OATP1; OATP4A1; OATPE; OATPRP1; POAT; SLC21A12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_016354, the custom clone sequence may differ by one or more nucleotides

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ATGCCCTGCATCAGCTGGGGGACAAGCCGCTCACCTTCCCCAGCCCCAACTCAGCCATGGAAAACGGGC
TTGACCACACCCACCCAGCAGGAGGGCATCCCCGGGCACACCCCTGAGCCCCGGCTCCCTCCGCTCCGC
TGCCCATAGCCCCCTGGACACCAGCAAGCAGCCCTCTGCCAGCTCTGGGCCGAGAAGCATGGCGCCCGG
GGGACCCATGAGGTGCGGTACGTCTCGGCCGGGCAGAGCGTGCGGTGCGGCTGGTGGGCCTTCGCACCCG
CGTGCCTGCAGGTCCTCAACACGCCCAAGGGCATCCTGTTCTTCTGTGTGCGGCCGCATTCTGCAGGG
GATGACTGTGAATGGCTTCATCAACACAGTCATCACCTCCCTGGAGCGCCGCTATGACCTGCACAGCTAC
CAGAGCGGGCTCATCGCCAGCTCCTACGACATTGCCGCTGCCTCTGCCTCACCTTCGTAGCTACTTCG
GGGGCTCAGGGCACAAGCCGCGCTGGCTGGGCTGGGGCGTGCTGTTATGGGCACGGGTCGCTGGTGT
CGCGCTGCCCCACTTCACGGCTGGCCGCTATGAGGTGGAGTTGGACGCGGGTGTCAGGACGTGCCCTGCC
AACCCCGGCGCGGTGTGTGCGGACAGCACCTCGGGCTGTCCCGCTACCAGCTGGTCTTCATGCTGGGCC
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GTCCAGCTGCTCGCCGCTACATTGCCATCTTACACAGCGGCCATCCTGGGCCAGCTGCCGCGTAC
CTGATTGGAGGTGCCCTGCTGAATATCTACACGAAAATGGGCCGACGGACGGAGCTGACCACCGAGAGCC
CACTGTGGGTGCGCGCTGGTGGGTGCGCTTCTGGGCTCTGGGGCCGCTGCTTTCTTACCAGCCGTTCC
CATCTTGGTTACCCTCGGCAGCTGCCAGGCTCCCAGCGCTACGCGGTATGAGAGCGGCGGAAATGCAC
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GGGCATCCTCGTCTTCTCACTGCACTGCCCCAGTGTGCCATGGCGGGCGTCACAGCCAGCTACGGCGGG
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ACTACAGCCCTGTGTGCGGCTCGGACGGCCTCATGTACTTCTCACTGTGCCACGCAGGGTGCCCTGCAGC
CACGGAGACGAATGTGGACGGCCAGAAGGTGTACCGAGACTGTAGCTGTATCCCTCAGAATCTTCTCT
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TATTCGTTGTAATTTTCTTACATTCTCAGCAGCATTCTGCTACTAACGGCAACTCTACGATGTGTCCG
TGACCCTCAGAGATCCTTGGCCTGGGAATCCAGTGGATTGTAGTTAGAATACTAGGGGGCATCCCGGG
CCCATCGCCTTCGGCTGGGTGATCGACAAGGCCTGTCTGCTGTGGCAGGACCAGTGTGGCCAGCAGGGCT
CCTGCTTGGTGTACCAGAATTCGGCCATGAGCCGCTACATACTCATATGGGGCTCCTGTACAAGGTGCT
GGGCGTCTCTTCTTGGCATAGCCTGCTTATACAAGCCCTGTGGAGTCTTCAGATGGCCTGGAA
ACTTGTCTGCCAGCCAGTCCTCAGCCCTGACAGTGCCACAGATAGCCAGCTCCAGAGCAGCGTCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016354 unedited
 TCATCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACCATCCCGCTGAGGCC
 ACTCCCACTGCGTGGCTGAAGCCTCGAGGTCACCATGCGGAGGCGCGGAGATGCCCTGC
 ATCATCTGGGGGACAAGCCGCTCACCTTCCCCAGCCCCAACTCATCCATGGAAAACGGGC
 TTGACCACACCCACCCATCATGAGGGCATCCCCGGGCACACCCCTGATCCCCGGCTCCC
 TCCGCTCCGCTGCCCATAGCCCCCTGGACACCATCAAGCAGCCCCCTCTGCCAGCTCTGGG
 CCGAGAAGCATGGCGCCCGGGGACCCATGATGTGCGGTACGTCTCGGCCGGGCATATCG
 TGGCGTGGGCTGGTGGGCCTTCGCACCCCGTGCCTGCAGGTCTCAACACGCCCAAGG
 GCATCCTGTTCTTCTGTGTGCGCCGCAATTCCTGCAGGGGATGACTGTGAATGGCTTCA
 TCAACACAGTCATCACCTCCCTGGAGCGCGCTATGACCTGCACAGCTACCATAGCGGGC
 TCATCGCCAGCTCCTACGACATTGCCGCTGCCTCTGCCTCACCTTCGTAGCTACTTTCG
 GGGGCTCATGGCACAAGCCGCGCTGGCTGGGCTGGGGCTGCTGCTTATGGGCACGGAGT
 CGCTGGTGTTCGCGCTGCCCCACTTCACGGCTGGCCGCTATGATGTGGAGTTGGACGCGG
 GTGTCATGACGTGCCCTGCCAATCCCGGCGCGGNTGTGTGCGGACAGCACCTCGGGCCTG
 TCCCGCTACCAGCTGGTCTTCATGCTAGGCCAGTTCCTGCATGGCGTGGGTGCCACACC
 CCTCTACAGCTGGGCGTACCTACCTGATGATAACGTNAAGTCACTGCTCGCGTTACATG
 NCTCTCTAACACGGCATCTGGGCCACTGCGCTACTGATTGGAGTGCCTGCTGATTCTCCA
 GAATGGGCCGCGACGAGCTACACGAAGCCCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016354 unedited
 GTACACTATGNACCGCGCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTTTTTAA
 ATAACAAAATATATTNTCGATATGCACAGGTTTTAACTGGAGGACACACATAGCCTTCT
 CGGGCTGCAGGCCACCGCCCTCCAGTGGGATTCACAGCCCCTGCGGAGTTTGTCTCA
 CGCACACCACACGATCGGGTATAAAACACATTCTATAAACACGTTCTGATGCAAACCTG
 TGTGTCCATAATATATATTTATGCAAGTTCCTCCACCCACTGCAGGGCCGTACAGCTC
 TGGGGACAGGAGGTCACAGCCGACTTTAAACCACAGGTTAAGTAGAAGTTGCAGGTCAA
 ATAGAAGTTCCCGTGTGATTGCATACCCAACGGCACTGTTCTGTATCAGGAAATGCTG
 AGTGCCCGCCGTGGCCGGGTGGGCGCGGGTGGTGCAGACGCTGCTCTGGAGCTGGCTA
 TCTGTGGCACTGTGAGGGCTGAGGACTGGCTGGGCAGACAAGTTCCAGGCCATCTGAA
 GACTCCGACAGGGGCTTGATAAGAAGCAGGCTATGGCAAAGAAGATGACGCCACGACC
 TTGTACAGGAGCCCATGATGAGTATGTAGCGGCTCATGGCCGAATTCTGGTACACCAAG
 CANGAGCCCTGTGGCCCACTGGTCTGCCACAGCAGAACAGCCCTGTGATCACCCA
 GCCGAAAGCGATGGGCCCGGGATGCCCTAGTATTCTAACTACNATCCACTGGNATT
 CCAGGGCAAAAGATCTCTGAGGGTCACGACACATCGTAAATTTGCCGTTATGCAGGATGC
 TGCTGGAGAATGTAAAGAAATTTCCACGATTTGGAAAACAGGAGGAGGGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_016354

Insert Size:

2700 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:	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_016354.3, NP_057438.3</u>
RefSeq Size:	2796 bp
RefSeq ORF:	2169 bp
Locus ID:	28231
UniProt ID:	<u>Q96BD0</u>
Cytogenetics:	20q13.33
Domains:	OATP_N, OATP_C
Protein Families:	Transmembrane
Gene Summary:	Mediates the Na(+)-independent transport of organic anions such as the thyroid hormones T3 (triiodo-L-thyronine), T4 (thyroxine) and rT3, and of estrone-3-sulfate and taurocholate. [UniProtKB/Swiss-Prot Function]