

Product datasheet for **SC123800**

SLCO3A1 (BC000585) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO3A1 (BC000585) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLCO3A1
Synonyms:	FLJ40478; OATP-D; OATP3A1; OATPD; SLC21A11; solute carrier family 21 (organic anion transporter), member 11; solute carrier organic anion transporter family, member 3A1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC000585 edited
GGGGCGAGCGGGAAGCGGCAGCGGCGGCGGCGGCGGCGGCGGGAAGGATGCAGG
GGAAGAAGCCGGGCGGTTTCGTCGGGCGGCGGCGGAGCGCGAGCTGCAGGGGACGAGG
CGCAGAGGAACAAGAAAAAGAAAGAGGTGTCTGCTTTTCCAACATCAAGATCTTCC
TTGTGTCCGAGTGCGCCCTGATGCTGGCGCAGGGCAGGTGGGCGCCTACCTGGTGAGCG
TCCTGACCACCTGGAGCGTAGGTTCAACCTGCAGAGCGCTGACGTGGGTGTGATCGCTA
GCAGCTTCGAGATCGGGAACCTGGCGCTCATCTTCTGAGCTACTTCGGGGCAGCGG
GGCACCAGCGCGCCTGATCGGCTGCGGCGGCATCGTCATGGCGCTGGGCGCGCTGCTGT
CGGCGCTGCCCGAGTTCTGACCCACCAAGTACAAGTACGAGGCGGCGAGATCCGCTGGG
GCGCGGAGGGCGCGACGCTGCGCAGCCAACGGCTCGGGCGGCGACGAGGGGCCGACC
CCGACCTCATCTGCCTCAACCGGACGGCTACCAACATGATGTAAGTGTGCTGCTATTGGG
CCCAGGTGCTCCTGGGCATCGGTGCTACCCCTGTGCAGCCCTGGGCGTCTCTACATCG
ACGACCAGTGCAGGAGGAAGGACTCCTCGCTCTATATAGGAATCCTGTTACGATGCTGG
TATTTGGACAGCCTGCGGGTTTATCCTGGGCTCTTCTGTACCAAAATCTACGTGGATG
CAGTCTTCATTGACACAAGTAACCTGGACATCACTCCGAGCAGCCCCGCTGGATCGGAG
CCTGGTGGGGTGCTTTCTGCTCTGCGGTGCCTTACTCTTCTTCTTCCCTCTTGATGT
TTGGGTTTCCACAGTCCCTGCCCCGCACTCAGACCCCGCCATGAAAGCGAGCAGGCCA
TGCTCTCCGAAAGAGAATACGAGAGACCAAGCCAGCAACGGGGTCTGAGGCACCCCC
TGGAGCCAGACAGCAGTGCTCTGTTTCCAGCAGCTGAGAGTGATCCCGAAGGTACCA
AGCACCTGCTCTCAAACCTGTGTTACCTGCATCATCTGGCCGCTGCATGGAGATTG
CAGTGGTGGCTGGCTTCGCTGCCCTTTTGGGAAGTACCTGGAGCAGCAGTTAACCTCA
CCACCTCTTCTGCCAACCAGCTGCTTGGGATGACTGCGATCCCGTGTGCTTGTCTGGGA
TCTTCTGGGAGGTCTTTTGGTGAAGAAGCTCAGCCTGTCTGCCCTGGGGGCCATTCCGA
TGGCCATGCTCGTCAACCTGGTGTCCACTGCTTGTACGTCTCCTTCTTCTTCTGGGCT
GCGACACTGGCCCTGTGGCTGGGTTACTGTTCCCTATGAAACAGCACAGCACCTGGCT
CAGCCCTGGACCCCTACTCGCCCTGCAATAATAACTGTGAATGCCAAACCGATTCTTCA
CTCCAGTGTGTGGGCGAGATGGCATCACCTACCTGTCTGCCTGCTTTGCTGGCTGCAACA
GCACGAATCTACGGGCTGTGCGTGCCTCACCACCGTCCCTGCTGAGAACGCAACCGTGG
TTCCTGAAAAATGCCCCAGTCTGGGTGCCAAGAGGCCTTCTCACTTCTCTGTGTGA
TGTGTATCTGCAGCCTGATCGGTGCCATGGCACAGACCCCTCAGTCATCATCTCATCA
GGACAGTCAGCCCTGAACCTCAAGTCTTACGCTTTGGGAGTTCTTTTCTCCTCCTCGTT
TGTGGGCTTCATCCCTCCACCCCTCATCTTGGGGCTGGCATCGACTCCACCTGCCTGT
TCTGGAGCACGTTCTGTGGGGAGCAAGGCGCTGCGTCTCTACGACAATGTGGTCTACC
GATACCTGTATGTGAGCATCGCCATCGCGCTCAAATCCTTCGCTTCTATCCTGTACACCA
CCACGTGGCAGTGCTGAGGAAAACTATAAACGCTACATCAAAAACACGAGGGCGGGC
TGAGCACCAGCACAGAGTACCAAGACATTGAGACTGAGAAAACCTGCCCCGAATCACATT
CACCTTCAGAAGACTCCTTTGTGAGAAGCTGAGGGCCTGGCCCTTCTCCTTCTCTGGAG
AGAACAGCCCTCCACCACCCACAGACCTCGCGGGCCTCACTTAGCGTGCTCCTCCCTGTC
CGAGAACCCGAGGGTCCCATGTGGATTATCCAGCCAGTGTGTGGTCTTTGAGGCCCCA
AGCGCAGGCCTGTGATGAGGACCAAGAGGTGACTTATGGTCAGGAGTACTCCAAACAGC
TCTCAGAGTAGGCATCTTCTGGGTCTCTAAAGAGTCATGCTGACCTGGTGTGCAAAAT
CCCTTCCACCATCCCTCTACCTCCTCTGGGATGGCTTGCCGACATGCTTTAGAAACTC
CCCTCTTGGGAATGCTCCTCTGACTGAGGGCTCCAACAGCTTTAATGAAATCAGCCGAGA
GGGTAAAAACCAACCTGTTGCATAGAATGGAGGGGGGAAAAAGCACATACTCAATAGATT
TTTGAGTGTGGTACTCTGATTTTTGACGCTTTATTTTCCAAATGAGCAGTTTAGAAAT
ATGTGATGTAAAGTACATACTGTACGTTTGTGAAAATTATATTAAGCACTATTTTAA
TTCTTAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC000585 unedited <pre> GAGTTGGGATTTGTATACGACTTATATAGGGCGGCCGGAATTCGCACGAGGGGGCGAGC GGGAAAGCGGCAGCGCGCGCGCGCGCGCGGGGAAGGATGCAGGGGAAGAAGC CGGGCGGTTTCGTGCGGCGCGCGCGGAGCGCGAGCTGCAGGGGGACGAGGCGCAGAGGA ACAAGAAAAAGAAAAAGAGGTGCTCTGCTTTTCCAACATCAAGATCTTCCTTGTGTCCG AGTGCGCCCTGATGCTGGCGCAGGGCACGGTGGCGCCTACCTGGTGAGCGTCTTGACCA CCCTGGAGCGTAGGTTCAACCTGCAGAGCGCTGACGTGGGTGTGATCGCTAGCAGCTTCG AGATCGGGAACCTGGCGCTCATCTCTTCGTGAGCTACTTCGGGGCACGCGGGCACCGGC CGCGCCTGATCGGCTGCGCGGCATCGTCATGGCGCTGGGCGCGTGTGTGCGGCTGC CCGAGTTCCTGACCCACAGTACAAGTACGAGGCGGGCGAGATCCGCTGGGGCGCCGAGG GCCGCGAGCTCTGCGCAGCCAACGGCTCGGGCGGCGACGAGGGGCCCCACCCGACCTCA TCTGCCTCAACCGGACGGCTACCAACATGATGTACTTGTGCTCATTGGGGCCAGGTGC TCCTGGGCATCGGTGCTCCCCCTGTGCAGCCCCTGGGCGTCTCTACATCGACGACCACG TGCGGGGGGAAGGACTCCCTCGCTCTATATAAGGAATCCTGTTTCACGATGCTTGGTATT TTGGAACAGCCCTGGCGGTTTATCCTGGGGTCTTTCTGGACCCAAATCTAAGTGGGA TGCCTTCTTCTTGCACAAGTTACCTGGGAAATCACTTCCGACGAACCCCTGGGATC GGACCCTGGGGG </pre>
Restriction Sites:	Please inquire
ACCN:	BC000585
Insert Size:	2739 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>BC000585.2</u> , <u>AAH00585.1</u>
RefSeq Size:	2730 bp
RefSeq ORF:	2076 bp
Locus ID:	28232
Cytogenetics:	15q26.1
Protein Families:	Transmembrane

Gene Summary:

Mediates the Na(+)-independent transport of organic anions such as estrone-3-sulfate (PubMed:10873595). Mediates transport of prostaglandins (PG) E1 and E2, thyroxine (T4), deltorphin II, BQ-123 and vasopressin, but not DPDPE (a derivative of enkephalin lacking an N-terminal tyrosine residue), estrone-3-sulfate, taurocholate, digoxin nor DHEAS (PubMed:16971491).[UniProtKB/Swiss-Prot Function]