

Product datasheet for **SC326071**

SLCO2B1 (NM_001145212) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLCO2B1 (NM_001145212) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLCO2B1 |
| Synonyms: | OATP-B; OATP2B1; OATPB; SLC21A9 |
| Vector: | <u>pCMV6 series</u> |

Fully Sequenced ORF: >NCBI ORF sequence for NM_001145212, the custom clone sequence may differ by one or more nucleotides

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ATGGGACCCAGGATAGAGGATATGCCACAGGACTTCAAGGCTTCCTGTGCCTGCCACACA
ACCTCGGCCCCAGCCTCGGCCCCCTCCAATGGCAACTGCTCAAGCTACACAGAAACCCAG
CATCTGAGTGTGGTGGGGATCATGTTCTGCGGCACAGACCCTGCTGGCGTGGGCGGGGTG
CCCATTACGCCCTTTGGCATCTCTACATCGATGACTTTGCCACAACAGCAACTCGCCC
CTCTACCTCGGGATCCTGTTTGCAGTGACCATGATGGGGCCAGGCCTGGCCTTTGGGCTG
GGCAGCCTCATGTGCGCCTTTATGTGGACATTAACCAGATGCCAGAAGGTGGTATCAGC
CTGACCATAAAGGACCCCGATGGGTGGGTGCCTGGTGGCTGGGTTTCTCATCGCTGCC
GGTGCAGTGGCCCTGGCTGCCATCCCCTACTTCTTCTCCCAAGGAAATGCCAAAGGAA
AAACGTGAGCTTCAAGTTTCGGCGAAAGGCTTAGCAGTACACAGACTCACCTGCCAGGAAG
GGCAAGGACTCTCCCTCTAAGCAGAGCCCTGGGGAGTCCACGAAGAAGCAGGATGGCCTA
GTCCAGATTGCACAAACCTGACTGTGATCCAGTTCATTAAGTCTTCCCAGGGTGGTGTG
CTGCAGACCCTACGCCACCCATCTTCTGCTGGTGGTCTGTCCCAGGTATGCTTGTCAT
TCCATGGCTGCGGGCATGGCCACCTTCTGCCAAGTTCCTGGAGCGCCAGTTTTCCATC
ACAGCCTCCTACGCCAACCTGCTCATCGGCTGCCTCTCCTTCCCTTCGGTTCATCGTGGC
ATCGTGGTGGGTGGCGTCTGGTCAAGCGGCTCCACCTGGGCCCTGTGGGATGCGGTGCC
CTTTGCCTGCTGGGGATGCTGCTGTCCTTCTTTCAGCCTGCCGCTTCTTTTATCGGC
TGCTCCAGCCACCAGATTGCGGGCATCACACACCAGACCAGTGGCCACCCTGGGCTGGAG
CTGTCTCCAAGCTGCATGGAGGCCTGCTCCTGCCATTGGACGGCTTTAACCTGTCTGC
GACCCACGACTCGTGTGGAATACATCACACCCTGCCACGAGGCTGCTCAAGTGGGTG
GTCCAGGATGCTCTGGACAACAGCCAGGTTTTCTACACCAACTGCAGCTGCGTGGTGGAG
GGCAACCCCGTGTGGCAGGATCCTGCGACTCAACGTGCAGCCATCTGGTGGTGGCCTTC
CTGCTCCTGGTACGCTGGGCTCGGCCCTGGCCTGTCTCACCCACACACCCTCCTTCATG
CTCATCCTAAGAGGAGTGAAGAAAGAAGACAAGACTTTGGCTGTGGGCATCCAGTTCATG
TTCTGAGGATTTTGGCCTGGATGCCACGCCCTGATCCACGGCAGCGCCATCGACACC
ACCTGTGTGCACTGGGCCTGAGCTGTGGGCGTCGAGCTGTCTGTGCTACTACAATAAT
GACCTGTCCGAAACCGTTTCATCGGCCTCCAGTTCCTTCTTCAAAACAGGTTCTGTGATC
TGCTTCGCCTTAGTTTTGGCTGTCTGAGGCAGCAGGACAAAGAGGCAAGGACCAAAAGAG
AGCAGATCCAGCCCTGCCGTAGAGCAGCAATTGCTAGTGTGCGGGCCAGGGAAGAAGCCA
GAGGATCCCCGAGTG

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| Restriction Sites: | Please inquire |
| ACCN: | NM_001145212 |
| OTI Disclaimer: | <p>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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | NM_001145212.1 , NP_001138684.1 |
| RefSeq Size: | 3922 bp |
| RefSeq ORF: | 1698 bp |
| Locus ID: | 11309 |
| UniProt ID: | O94956 |
| Cytogenetics: | 11q13.4 |
| Protein Families: | Transmembrane |

Gene Summary:

This locus encodes a member of the organic anion-transporting polypeptide family of membrane proteins. The protein encoded by this locus may function in regulation of placental uptake of sulfated steroids. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2010]

Transcript Variant: This variant (3) is missing 3 consecutive coding exons from the 5' end compared to transcript variant 1. However, it maintains the reading frame and results in a shorter isoform (3) lacking a protein segment from the N-terminus compared to isoform 1.