

Product datasheet for **SC325275**

SLCO2B1 (NM_001145211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO2B1 (NM_001145211) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLCO2B1
Synonyms:	OATP-B; OATP2B1; OATPB; SLC21A9
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001145211, the custom clone sequence may differ by one or more nucleotides

```

ATGGGCACAGAAAACACACCTGGAGGCAAAGCCAGCCCAGACCCTCAGGACGTGCGGCCA
AGTGTGTTCCATAACATCAAGCTGTTTCGTTCTGTGCCACAGCCTGCTGCAGCTGGCGCAG
CTCATGATCTCCGGCTACCTAAAGAGCTCCATCTCCACAGTGGAGAAGCGCTTCGGCCTC
TCCAGCCAGACGTCCGGGCTGCTGGCCTCCTTCAACGAGGTGGGGAACACAGCCTTGATT
GTGTTTGTGAGCTATTTTGGCAGCCGGGTGACCCGACCCGAATGATTGGCTATGGGGCT
ATCCTTGTGGCCCTGGCGGCCTGCTCATGACTCTCCCGCACTTATCTCGGAGCCATAC
CGCTACGACAACACCAGCCCTGAGGATATGCCACAGGACTTCAAGGCTTCCCTGTGCCTG
CCCACAACCTCGGCCCCAGCCTCGGCCCCCTCCAATGGCAACTGCTCAAGCTACACAGAA
ACCCAGCATCTGAGTGTGGTGGGATCATGTTCTGTGCCACAGACCCTGCTGGGCTGGGC
GGGGTGCCATTACGCCCTTTGGCATCTCTACATCGATGACTTTGCCACAACAGCAAC
TCGCCCCCTACCTCGGGATCCTGTTTGCAGTGACCATGATGGGGCCAGGCTGGCCTTT
GGGCTGGGCAGCCTCATGCTGCGCCTTTATGTGGACATTAACCAGATGCCAGAAGGTGGT
ATCAGCCTGACCATAAAGGACCCCGATGGGTGGGTGCCTGGTGGCTGGGTTTCCTCATC
GCTGCCGTTGAGTGGCCCTGGCTGCCATCCCCTACTTCTTCTCCCAAGGAAATGCC
AAGGAAAACGTGAGCTTCAAGTTTCGGGAAAGGTCTTAGCAGTACAGACTCACCTGCC
AGGAAGGGCAAGGACTCTCCCTCTAAGCAGAGCCTGGGGAGTCCACGAAGAAGCAGGAT
GGCCTAGTCCAGATTGCACCAAACCTGACTGTGATCCAGTTCATTAAGTCTTCCCAGG
GTGCTGCTGCAGACCCTACGCCACCCATCTTCTGCTGGTGGTCTGTCCCAGGTATGC
TTGTCATCCATGGCTGCGGGCATGGCCACCTTCTGCCCAAGTTCCTGGAGCGCCAGTTT
TCCATCACAGCCTCCTACGCCAACCTGCTCATCGGCTGCCTCTCCTTCCCTTCGGTCATC
GTGGGCATCGTGGTGGTGGGCTCCTGGTCAAGCGGCTCCACCTGGGCCCTGTGGGATGC
GGTGCCCTTTGCCTGCTGGGGATGCTGCTGTGCCTTCTTTCAGCCTGCCGCTTCTTTT
ATCGGCTGCTCCAGCCACAGATTGCGGGCATCACACCCAGACCAGTGCACCACCTGGG
CTGGAGCTGTCTCAAGCTGCATGGAGGCTGCTCCTGCCATTGGACGGCTTTAACCTT
GTCTGCGACCCAGCACTCGTGTGGAATACATCACACCCTGCCACGCAGGCTGCTCAAGC
TGGGTGGTCCAGGATGCTCTGGACAACAGCCAGGTTTTCTACACCAACTGCAGCTGCGTG
GTGGAGGGCAACCCCGTGTGGCAGGATCCTGCGACTCAACGTGCAGCCATCTGGTGGTG
CCCTTCTGCTCCTGGTCAAGCCTGGGCTCGGCCCTGGCCTGTCTACCCACACACCCTCC
TTCATGCTCATCCTAAGAGGAGTGAAGAAAGAAGACAAGACTTTGGCTGTGGGCATCCAG
TTCATGTTCTGAGGATTTTGGCCTGGATGCCAGCCCGTGATCCACGGCAGCGCCATC
GACACCACCTGTGTGCACTGGGCCCTGAGCTGTGGGCGTCGAGCTGTCTGTGCTACTAC
AATAATGACCTGCTCCGAAACCGGTTTCATCGGCCTCCAGTTCCTTCAAACAGGTTCT
GTGATCTGCTTCGCCTTAGTTTTGGCTGTCTGAGGCAGCAGGACAAAGAGGCAAGGACC
AAAGAGAGCAGATCCAGCCCTGCCGTAGAGCAGCAATTGCTAGTGTGGGGCCAGGGAAG
AAGCCAGAGGATCCCCGAGTG

```

Restriction Sites: Please inquire
ACCN: NM_001145211
Insert Size: 4057 bp

OTI Disclaimer: 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.

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](#)

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:

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_001145211.1](#), [NP_001138683.1](#)

RefSeq Size: 4057 bp

RefSeq ORF: 2064 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 (2) contains an alternate 5' terminal exon compared to transcript variant 1. This results in translation initiation from an in-frame downstream AUG and an isoform (2) with a shorter N-terminus compared to isoform 1.