

## Product datasheet for **MC220450**

### Slco2b1 (NM\_175316) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slco2b1 (NM_175316) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slco2b1
Synonyms:	AI060904; AI852653; OATP-B; Slc21a9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220450 representing NM\_175316  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGACAGGAGCACCAAGACCACAATGGGCACAGAAGATATGCATGAAAGGAAAGTCAGTGTGGAGC  
 CTCAGGACTCACATCAGGATGCACAGCCCCGCGGATGTTCCACAACATCAAGTTCTTTGTCTATGTCA  
 CAGTCTACTGCAGCTGACACAGCTCATGATCTCTGGCTACCTCAAGAGCTCCATCTCCACAGTGGAAAAG  
 CGCTTTGGGCTGTCCAGCCAGATCTCAGGGCTGTAGCTGCTTTCAATGAGGTAGGGAATGTATCCTTGA  
 TCTTATTTGTGAGCTATTTGGCAGCCGAGTGCACAGACCCCGGATGATCGGCTATGGGGCTCTCCTGGT  
 GGCCACGGCAGGCTGCTCATGGCACTCCCTCACTTCATCTCAGAACCATACCGCTATGACCACAGCAGC  
 TCCGACAATAGGTCAGTGGACTTTGAAGCATCCCTGTGCCTGCCACGACTATGGCTCCAGCCTCTGCC  
 TGTCGAATGGCAGCTGTTCCAGTCACACAGAAACCAAGCATCTGACCATGGTGGGATCATGTTCCGAGC  
 ACAGACCTGCTTGGCATCGGTGGTGTGCCATACAGCCTTTTGGGATCTCTACATTGAGCACTTTGCC  
 CACCATAGCAACTCACCCCTCTACATTGGGATCTTGTTTGAATAACCACGATGGGGCTGGCCTGGCCT  
 ATGGGCTGGGTAGCCTCATGCTACGCCTTTATGTGGACATTGACCGGATGCCAGAAGGAGGCATCAACT  
 GACTCCAAAAGACCCAGATGGGTGGTGCCTGGTGGCTGGGCTTCTCATCTCTCAGGACTGGTGGTC  
 CTGGCTTCCAGCCCTACTTCTTCTTCCCAGAGAGATGCCCAAGGAGAAACATGAGTTTCATTTACGGC  
 GGAAGGTCTTGGCAAGTGCAGCCCTCACTGCCAGCAAGGGTGAGGACCTCTCTCCAGCAGCAGGCTTT  
 AAAGAACAGGCTGGATTGGCCAGATTGCCAGACTTGACTTTGGTCCAGTTGTCAAAGTCTTCCCT  
 AGGGTGTGCTGCGGAATCTGCCACCCCATCTTCTTGGTGGTAGTCTGTCCAGGTGTGCACCTCAT  
 CCATGGTAGCGGGCATGGCCACCTTCTGCCTAAGTTCCGAAACGCAAGTTTCCATCACAGCCTCCTT  
 TGCCAACATGCTCCTGGCTGCCTCACTATCCCTCTGGTCACTGGGATCATGATGGGAGGTGTCTTA  
 GTCAAGCGCCTCCACCTGAGCCCGTGCAGTGCAGTGCCTCTGCCTCCTCGGCTCGCTGTTGTGTCTGC  
 TCTTACGCGTGCCGCTCTTCTTATTGGCTGCTTACCCATCAAATTGCAGGCATCACACAAGACCTGGG  
 TGCCAGCCAGGGCCAAGCCTGTTTCTGGCTGCTCAGAGCCCTGCTCCTGCCAATCAGATGACTTAAAC  
 CCTGTTTGTGATACCAGTGCCTATGTGGAGTACACCACACCTGCCATGCAGGCTGCACAGGTGCTGTGC  
 TCCAGGAGGCTCTGGGAAAAGCCAGGTCTTCTACACCAACTGCAGCTGTGTGGCAGGGAATGGCACTGT  
 TCCTGCAGTTTCTGTGAGTGCAGCTGCAGCCGCTGGTGTGCCCTTATTGCTCTTACGCTGGGG  
 GCGGGACTGGCCAGCATACCCACACACCTTCTTTCATGCTCATCCTGAGAGGTGTGAAGAAAGAAGATA  
 AAACCCTGGCAGTGGGGATGCAGTTCATGCTCCTGAGAGTGTGGCCTGGATGCCAGCCCTGTGATCCA  
 TGGCAGTGCCATCGATACCACCTGTGTTCACTGGGCCCTGACCTGTGGGCGGAGAGCTGTCTGCCGTAC  
 TACGACCATGACCTGCTCCGAAACCGATTATAGGCTCCAGTCTTCTTCAAAGTGGATCCCTGGTGT  
 GCTTTACCTTAGTTTGGCCATCTTGAGGCAACAGAGCAGAGAGGCCAGCACCAGGACTGTAAGAG  
 CTCGGAATAACAAGCTA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_175316
- Insert Size:** 2052 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:** [NM\\_175316.3](#), [NP\\_780525.1](#)

**RefSeq Size:** 4381 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 101488

**UniProt ID:** [Q8BXB6](#)

**Cytogenetics:** 7 E1

**Gene Summary:** Mediates the Na(+)-independent transport of organic anions such as taurocholate, the prostaglandins PGD2, PGE1, PGE2, leukotriene C4, thromboxane B2 and iloprost. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) contains a different exon for its 5' end, which results in the use of a downstream start codon, compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus when it is compared to isoform 1. Variants 2 and 3 encode the same protein.