

## Product datasheet for **MC219986**

### Slco2a1 (NM\_033314) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slco2a1 (NM_033314) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slco2a1
Synonyms:	2310021C19Rik; mPgt; Pgt; Slc21a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219986 representing NM\_033314  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGCTCTGCCAAGCCCGAGCACGCCAGGGCAGCGGCACCTCCTCGGTCCAGCCAGACGTTGCT  
 CCCGCTCGGTCTTCAACAACATTAAGGTCTTCGTGCTTTGTTCATGGCCTCCTACAGCTCTGCCAGTTGCT  
 CTACAGTGCCTACTTCAAGAGCAGCCTCACCCTATCGAGAAGCGCTTTGGGCTCTCCAGTTCTTCTCC  
 GGTCTCATCTCCAGTTTGAATGAGATCAGCAACGCTATCCTCATCATCTTCGTCAGTACTTCGGCAGCC  
 GGGTGAACCGCCACGGATGATCGGCATAGGGGTCTCCTCCTGGCTGCAGGGCCCTTTGCTCACCT  
 CCCACACTTCTGTGAGAACCCTATCAGTACGCGTCGACAACCTGCTGAAACAGCAGCCACTTTCAGACC  
 GACCTCTGTGAGAAGCATTGCCAGGCCTGCTCCCGAGTAAGTCCACAGCACCGTGCCGATACCCAGA  
 AGGAGACCAGCAGCATGTGGAGCCTGATGGTGGTGCCTCAGTCTGGCCGGCGTTGGGACGGTGCCAT  
 TCAGCCATTTGGGATCTCCTATGTGGAGCACTTTCAGAGCCTACCAACTCGCCTCTGTATATCTCCATC  
 TTTTTGCTATCGCCGTGTTGGGCCGGCTTTCGGGTACTGCTGGGCTCAGTCATGCTGAGGATCTTCG  
 TGGACTACGGCAGAGTGGACACGGCTACAGTGAACCTGAGCCAGGTGACCCCTCGGTGGATCGGAGCCTG  
 GTGGCTGGGCCTGCTCATCTCCTCAGGCTTCTTGATCGTCACCTCTTGGCCCTTTTCTTCTTCCCGA  
 GCGATGTCAGAGGAGCAGAGAGGTCTGTTATCGCAGAGGAGACCATGAAGATGGAGGAAGACAAGTCAA  
 GAGGCTCCCTGATGGATTTCAATAAACGGTCCCGCATCTTCTGAGGCTGCTGATGAACCCACTCTT  
 CATGCTGGTGGTCTGAGCCAGTGCACCTTCTCCTCAGTCATTGCTGGCCTCTCCAGTTCTCAACAAG  
 TTCTGGAGAAGCAGTACGATGCCTCGGCAGCCTATGCCAACTACTCATTGGTGTGTAACCTCCAG  
 CTGGCCCTTGGGGATGCTGTTGGAGGAATCCTCATGAAGCGTTTTGTTTTCCCTCTGCAAACCATCCC  
 CCGAGTAGCTGCCACCATCATGACCATCTCCATAATCCTATGTGCCCTCTCTTTTATGGGATGTTCC  
 ACACCCGCGTGGCTGAGGTCTACCCTCCAGCACACCAAGTTCTATACATCCGAGCCTCCCGCCTGCC  
 GCAGGGACTGCCTGTGCCAGATTCCGTCTTCCACCCTGTCTGCGGAGACAATGGAGTCGAGTACCTCTC  
 CCCCTGCCATGCTGGCTGCAGCAGCCTCAACGTGAGCTCAGCAGCTTCTAAGCAACCAATCTATTTGAAC  
 TGTAGCTGTGACTGGAGGATCCGCATCGGCCAAGACAGGCTCCTGCCCTACATCCTGTGCACAGCTGC  
 TGCTCCCGTCCATCTTCTCATCTCCTTTGTGGCACTCATTGCCTGCGTCTCCACAACCCCTCTACAT  
 GATGGTCTACGTGTGGTGAACCAGGATGAAAAGTCGTTTGCATTGGAGTACAGTTCTTGTGATGCGT  
 TTGCTGGCCTGGCTGCCATCTCCATCCCTTTATGGCCTGCTCATCGACTCCTCCTGTATCCGGTGAAC  
 ACCTATGCTCAGGGAGACGAGGGCCTGTGCGTATTATGACAACGATGCTCTTCAAACAGGTACCTGGG  
 CCTACAGTAATCTACAAGTCTTGGGCACACTGCTGCTTCTTTCATCAGCTGGAGGGTGAAGAAGAAC  
 AGGGAATACAGTCTGCAGGAGAATGCCTCGGGCCTCAT**TGA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_033314
- Insert Size:** 1932 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\\_033314.3](#), [NP\\_201571.2](#)

**RefSeq Size:** 4033 bp

**RefSeq ORF:** 1932 bp

**Locus ID:** 24059

**UniProt ID:** [Q9EPT5](#)

**Cytogenetics:** 9 54.72 cM

**Gene Summary:** May mediate the release of newly synthesized prostaglandins from cells, the transepithelial transport of prostaglandins, and the clearance of prostaglandins from the circulation. Transports PGD2, as well as PGE1, PGE2 and PGF2A.[UniProtKB/Swiss-Prot Function]