

## Product datasheet for **RN204926**

### **Slco3a1 (NM\_177481) Rat Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Slco3a1 (NM_177481) Rat Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Slco3a1                                |
| Synonyms:                 | Slc21a11                               |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:**

&gt;RN204926 representing NM\_177481

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

 ATGCAGGGAAGAAGCCGGGCGGCTCGTCGGGCGGCCGAGCGGCGAGCTGCAGGGGACGAGGCGC  
 AGAGGAACAAGAAGAAGAAAAAGAGGTGCTGCTTCTCCAACATCAAGATCTTCTGGTGTCTGAGTG  
 CGCCTTGATGCTGGCGCAGGGCACGGTGGGCGCTACCTGGTGAGCGTGTGACCACCCTGGAACGCAGG  
 TTCAACCTTCAGAGCGCCGATGTGGGTGTGATCGCCAGCAGCTTTGAGATCGGCAACCTGGCGCTGATTC  
 TCTTCGTGAGCTACTTCGGAGCAGTGGGACCGACCACGCTCATCGGCTGTGGTGAATCGTCATGGC  
 GTTGGGTGCGTCTCTCGGCACTGCCTGAATTCCTTACCCACCAGTACAAGTATGAGGCTGGTGAAGT  
 CGATGGGAGCCGAAGGCCGCGATGTTTGTGCCACCAATGGGTCCAGCAGCGATGAGGGGCTGACCCGG  
 ACTTAATCTGCCGAACCGGACAGCCACGAACATGATGTACTTGTGCTCATTGGGGCTCAGGTGCTCCT  
 GGGCATCGGTGTACCCCGTGAACCCCTGGGGTCTCTACATTGACGACCAGTGGGAGGAAGGAC  
 TCCTCGCTCTACATAGGAATCCTGTTACGATGTTGGTATTTGGACCAGCTGTGGATTTATTCTGGGCT  
 CTTTCTGTACAAAATCTACGTGGACGCGGTCTTCATTGACACAAGCAACCTGGACATCACTCCTGACGA  
 CCCGCGCTGGATCGGAGCCTGGTGGGGCGGCTTCTGCTCTGTGGTGCCTTACTCTTCTCTCCTCCCTC  
 CTGATGTTTGGCTTCCCACAGTCCCTGCCCCACACTCAGAGCCCGCATGGAGAGTGAGCAGGCCATGC  
 TCCCAGAAAGAGAATATGAGAGGCCCAAGCCAGCAATGGAGTCTGAGACATCCCCTGGAGCCGGACAG  
 CAGTGCCTCCTGTTTCCAACAAGTGAAGTATTCCCAAGGTACCAAGCACCTGCTCTCAAACCTGTG  
 TTCACCTGCATCGTCTGGTGTGATGGAGATTGCTGTGGTGGCGGCTTCGCTGCCTTCTGGGCA  
 AGTACCTGGAACAGCAGTTAACTCACCATTCTCTGCAACCAGCTGCTCGGATGACAGCAATCCC  
 CTGTGCCTGCCTGGGCATCTTTCTGGGTGGCCTTTTGGTGAAGAAGCTGAGCCTGTCTGCTCTGGGGGCC  
 ATTCGGATGGCCATGCTGGTCAACCTGGTGTCCACAGCCTGCTACGTCTCCTTCTCTCTGGGCTGTG  
 ACACAGTCCCTGTGGCGGGGTCACTGTTGCTATGGAACAATTCAGCACGTGGCTCGCCCTTGACCC  
 CTACTCTCCGTGCAACAACAAGTGAATGCCAGACAGATTCTTCACGCCAGTGTGCGGGCCGATGGC  
 ATCACCTATCTGCAGCCTGCTTCGCCGGCTGCAATAGCACGAACCTCACAGGCTGTGCGTGCCTACCA  
 CCGTCCCCCTGAGAATGCCACCGTGGTTCCTGGAAAATGTCCAGTCTGGGTGCCAAGAGGCTTCTCT  
 AACCTTCTCTGTGTGATGTGTGTGTCAGCCTGATCGGGGCCATGGCGCAAACCCCTTCTGTCATCATC  
 CTCATCAGGACAGTCAGCCCTGAAGTCTTACGCGCTGGGAGTTCTTTTCTGCTCCTTCTGTTTGT  
 TGGGTTTCATCCCCACCCCTCATCTTCGGGGCCGGCATCGACTCCACCTGTCTGTTCTGGAGACCTT  
 CTGCGGGGAACAGGGCGCCTGTGCTCTATGACAACGTGGTCTACAGATACCTGTACGTGAGCATCGCC  
 ATTGCACTCAAATCCTTCGCCTTCATCCTCTACACCACCAAGTGGCAGTGCCTGCGGAAAACTATAAAC  
 GCTACATCAAAAACACGAGGGCGGGCTGAGCACCAGTGAAGTCTTAGCCTCTACTCTGACCCTAGACAA  
 TCTGGGAGGGACCTGTGCCCGCACACCAGACATAGGACAAAATTTATCTATAACCTGGAAGACCAT  
 GAGTGGTGTGAAAACATGGAATCCGTTTTA**AG**
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_177481

**Insert Size:**

2133 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_177481.1, NP_803434.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 2133 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2133 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 140915                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q99N02</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 1q31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | transports several types of prostaglandins; may play a role in prostaglandin transport in vascular, renal, and reproductive systems [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                     |