

## Product datasheet for **SC106227**

### SLC22A7 (BC017963) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A7 (BC017963) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC22A7
Synonyms:	liver-specific transporter; MGC24091; MGC45202; NLT; OAT2; organic anion transporter 2; OTTHUMP00000016426; OTTHUMP00000016429; solute carrier family 22 (organic anion transporter), member 7; solute carrier family 22 member 7
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC017963, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTTTGAGGAGCTGCTGGAGCAGGTGGGCGGCTTTGGGCCCTTCCAACCTGCGGAATGTGGCACTGC
TGGCCCTGCCCGAGTGCTGCTACCACTGCACTTCCTCCTGCCCATCTTCTGGCTGCCGTGCCTGCCCA
CCGATGTGCCCTGCCGGGTGCCCTGCCAACTCAGCCATCAGGATGTGTGGCTGGAGGCCCATCTTCCC
CGGGAGCCTGATGGCAGCTCAGCTCCTGCCTCCGCTTTGCCTATCCCCAGGCTCTCCCCAACACCACGT
TGGGGGAAGAAAGGCAGAGCCGTGGGGAGCTGGAGGATGAACCTGCCACAGTGCCTGCTCTCAGGGCTG
GGAGTACGACCACTCAGAATTCTCCTCTACCATTGCAACTGAGTCCCAGGTCGGTATTTACATAATCCAT
CTGGAGGTGGAATGTCGGTGGAGGCAGTCTCCCTGGGAGGCAGCAGGTCGAGGCCCTTCTTGGGAAGAAG
CTGAGGCTGCAGGACTGGGGAGGGACAAAGTTTCTATTCCCAAGCTGGCGTGAATCGTTGGGAGGTTT
ATTATCTGGCATGGAGGTACCAGAATGGCAGAGTTCGCCTCAGAAGGCTCCAGGGTCTGGAGAGGAGGAG
CTGGTGCCTGCTGGAGAGGGGCTGATGTTTCATAGGAGGTCCCTTTCTGCCTGTCCTTGCACTGGGATCTG
GTGTGTA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC017963 unedited TTCAAAATTTGTAATACGACTCACTATAGGGCGGCCGCGNATGGAGCTGCNACCTGAGC ATTTGGTGGGTGAGCAGCATGGGCTTTGAGGAGCTGCTGGAGCAGGTGGGCGGCTTTGGG CCCTTCCAACGCGGAATGTGGCACTGCTGGCCCTGCCCCGAGTGTCTGCTACCACTGCAC TTCCTCCTGCCATCTTCTGGCTGCCGTGCCACCGATGTGCCCTGCCGGGTGCC CCTGCCAACTTCAGCCATCAGGATGTGTGGCTGGAGGCCATCTCCCCGGGAGCCTGAT GGCAGCTCAGCTCCTGCCTCCGCTTTGCCTATCCCCAGGCTCTCCCCAACACCACGTTG GGGAAGAAAGGCAGAGCCGTGGGGAGCTGGAGGATGAACCTGCCACAGTGCCCTGCTCT CAGGGCTGGGAGTACGACCACTCAGAATTCTCCTTACCATTGCAACTGAGTCCCAGGTC GGTATTTACATAATCCATCTGGAGGTGGAATGTCGGTGGAGGCAGTCTCCCTGGGAGGCA GCAGGTCGAGGCCTTCTTGGGAAGAAGCTGAGGCTGCAGGACTGGGAGGGACAAAGTT TCCTATCCCCAAGCTGGCGTGAATCGTTGGGAGGTTTATTATCTGGCATGGAGTGGGAT CTGGTGTGTGAGCAGAAAGGTCTGAACAGAGCTGCGTCCACTTTCTTCTCGCCGTGTG CTGGTGGGGCTGTGGCCTTTGGATATCTGTCCGACAGGTTTGGCGGCGCGCTGTGCTG CTGGTAGCCTACGTGAGTACCCTGGTGTGGGCCTGGCATCTGCAGCCTCCGTCAGTAT GTAAATGTTTGCCATCACCCGCACCCTTACTGGCTCAGCCCTGGCTGGTTTTACCATCATC GTGATGCCACTGGAGCTGNAGTGGCTNGATGTGGAGCACCGCACCGTGGCTGGAGTCTCT AGCAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC017963
<b>Insert Size:</b>	2250 bp
<b>OTI Disclaimer:</b>	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>BC017963.1, AAH17963.1</u>
<b>RefSeq Size:</b>	1283 bp
<b>RefSeq ORF:</b>	708 bp
<b>Locus ID:</b>	10864
<b>Cytogenetics:</b>	6p21.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

The protein encoded by this gene is involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and appears to be localized to the basolateral membrane of the kidney. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]