

Product datasheet for **RN217056**

Slco1b2 (NM_001270586) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco1b2 (NM_001270586) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slco1b2
Synonyms:	OATP-4; Oatp4; rlst-1; Slc21a10; Slco1b3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217056 representing NM_001270586
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACCACACTCAGCAGTCAAGGAAAGCTGCAGAGGCCAACCTTCACGATCAAAGCAAACAAGTTCT
GCGATGGATTCAAGCTATTTTTGGCAGCCCTCTCTTCAGCTACATATGCAAAGCACTAGGTGGAGTTGT
TATGAAGAGTTCCATCACCCAAATCGAAAGAAGATTTCGACATACCATCTCCATTCTGGTTTGATTGAT
GGAGGCTTTGAAATTGGGAATTTATTAGTTATTGTATTTGTGAGTTACTTTGGATCCAAACTACACAGGC
CAAAGCTGATTGGAATTGGCTGCTTCATCATGGGCATTGGGAGCATTTCGACAGCGTTGCCACATTTCTT
CATGGGATATTACAAGTATGCAAAGAAAACGACATTGGCTCTCTAGGCAACTCTACATTGACCTGTTTC
ATCAATCAAATGACATCACCCACTGGACCTTCACCTGAGATAGTGGAGAAAGTTGTGAAAAGGGGTTAA
AGTCACACATGTGGATTTATGTCTTGATGGGGAACATGCTTCGTTGGGATAGGGGAAACCAATAGTGCC
CCTGGGAAATTCCTACCTTGATGACTTTGCAAAGAAGGGCACACTTCCATGCACCTAGGTACTCTGCAT
ACTATAGCAATGATTGGACCAATCCTTGGCTTTATCATGTCTGTGTTTGCTAAGATATATGTAGACG
TTGGATATGTAGACCTGAACAGTGTCCGAATAACTCCTAATGATGCTCGTTGGGTTGGTGCCTGGTGGCT
CAGCTTCATTGTGAATGGACTATTATGCATTACTTCTCCATACCCCTCTTTTTCTGCCAAAATTCCA
AAGAGGTCACAGGAGGAAAGGAAAAATTCAGTATCTTTCATGCACCCAAAACAGATGAGGAGAAGAAAC
ACATGACTAATTTAACAAAGCAAGGAAACAAGATCCTTCCAACATGACTGGTTTTCTAAGGTCTCTGAG
AAGCATCCTTACCAATGAAATATATGTTATATTCTTGATACTGACGTTACTACAAGTCAGCGGCTTCATT
GGCTCCTTACTTACCTGTTCAAGTTCATAGAGCAGCAGTTCGGCCGGACAGCATCTCAGGCCAATTCT
TGTTAGGAATTAACCATACCTACTATGGCAACTGCAATGTTTTTAGGAGGATATATTGTTAAAAAATT
CAAATGACATCGGTTGGAATCGCCAAAATGAACCCAGTGGACTCTCACATAGATGTACCACTTTCTTAT
TGTAACCTCGGACTGCAGTTGTGATAAAAAATCAATGGGAACCCATCTGTGGGAAAATGGAGTCACTTACA
TTTCACCTTGCTGGCAGGATGCAAATCTTTTCGTGGTGATAAGAAGCCGAATAACACAGAGTTCTATGA
CTGCAGTTGTATCAGCAACTCTGGAAACAACCTCAGCACATTTGGGTGAATGCCAAGATACAAATGCAAA
ACCAACTATTACTTTTATATAATTCTTCAAGTCACTGTGTCTTTTTCTGCAATGGGAAGCCCATCTT
TAATCTTGATTCTGATGAAGAGCGTCCAACCTGAATTGAAATCACTTGAATGGGTTTCCATTCACTGAT
TATTCGAGCACTAGGAGGATTCTAGCTCCAATCTATTATGGGGCATTCACTGACAGAACGTGTATTAAG
TGGTCTGTACCAGCTGTGAAAACGTGGTGCATGTAGGCTATATAACTCCAGATTTATTTGGATTCTCCT
ACTTGGGTTTGAACCTTAGCTTTAAAAACTCCACCATTTTTTATATGTTGTATTAATTTATTTCAAAA
GAGAAAATATAAAAGAAATGATAACAAGACATTGGAAAATGGAAGACAGTTCACAGATGAAGGAAACCCA
GATTCTGTAATAAAAAATGGATACTATTGTGTACCTTATGATGAACAAAGCAATGAAACACCTCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270586
Insert Size: 1959 bp

OTI Disclaimer:	<p>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.</p> <p>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).</p>
OTI Annotation:	<p>Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_001270586.1, NP_001257515.1</p>
RefSeq Size:	<p>3113 bp</p>
RefSeq ORF:	<p>1959 bp</p>
Locus ID:	<p>58978</p>
UniProt ID:	<p>Q9QZX8</p>
Cytogenetics:	<p>4q44</p>
Gene Summary:	<p>mediated uptake of a variety of organic anions including taurocholate, bromosulphophthalein and steroid conjugates [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2, also known as rlst-1b) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>