

Product datasheet for **RN212555**

Slco1b2 (NM_031650) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco1b2 (NM_031650) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slco1b2
Synonyms:	OATP-4; Oatp4; rlst-1; Slc21a10; Slco1b3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212555 representing NM_031650
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCACACTCAGCAGTCAAGGAAAGCTGCAGAGGCCAACCTTCACGATCAAAGCAAACAAGTTCT
 GCGATGGATTCAAGCTATTTTTGGCAGCCCTCTCCTTCAGCTACATATGCAAAGCACTAGGTGGAGTTGT
 TATGAAGAGTTCCATCACCCAAATCGAAAGAAGATTTCGACATACCATCTCCATTCTGGTTTGATTGAT
 GGAGGCTTTGAAATTGGGAATTTATTAGTTATTGTATTTGTGAGTTACTTTGGATCCAAACTACACAGGC
 CAAAGCTGATTGGAATTGGCTGCTTCATCATGGGCATTGGGAGCATTTCAGACGCTTGCCACATTTCTT
 CATGGGATATTACAAGTATGCAAAGAAAACGACATTGGCTCTCTAGGCAACTCTACATTGACCTGTTTC
 ATCAATCAAATGACATCACCCACTGGACCTTCACCTGAGATAGTGGAGAAAGTTGTGAAAAGGGTTAA
 AGTCACACATGTGGATTTATGTCTTGATGGGGAACATGCTTCGTTGGGATAGGGGAAACCAATAGTGCC
 CCTGGGAATTTCTACCTTGATGACTTTGCAAAGAAGGGCACACTTCCATGCACCTAGGTACTCTGCAT
 ACTATAGCAATGATTGGACCAATCCTTGGCTTTATCATGTCTGTGTTTGCTAAGATATATGTAGACG
 TTGGATATGTAGACCTGAACAGTGTCCGAATAACTCCTAATGATGCTCGTTGGTTGGTGGCTGGTGGCT
 CAGCTTCATTGTGAATGGACTATTATGCATTACTTCTCCATACCTTCTTTTTCTGCCAAAATTCCA
 AAGAGGTCACAGGAGGAAAGGAAAAATTCAGTATCTTTCATGCACCCAAAACAGATGAGGAGAAGAAAC
 ACATGACTAATTAACAAAGCAAGGAAACAAGATCCTTCCAACATGACTGGTTTTCTAAGGTCTCTGAG
 AAGCATCCTTACCAATGAAATATATGTTATATTCTTGACTGACGTTACTACAAGTCAGCGGCTTCATT
 GGCTCCTTTACTTACCTGTTCAAGTTCATAGAGCAGCAGTTCGGCCGGACAGCATCTCAGGCCAACTTCT
 TGTTAGGAATTAACCATACCTACTATGGCAACTGCAATGTTTTTAGGAGGATATATTGTTAAAAAATT
 CAAATTGACATCGGTTGGAATCGCCAAGTTTGTATTTTTACCTCCTCAGTGGCCTATGCGTTTCAGTTC
 TTATTTTTCTCTACTCTGTGAAAACAAGCCATTTGCTGGCCTAACCTTGACCTACGATGGAATGAACC
 CAGTGGACTCTCACATAGATGTACCCTTTCTTATTGTAAGTTCGGACTGCAGTTGTGATAAAAAATCAATG
 GGAACCCATCTGTGGGAAAAATGGAGTCACTTACATTTACCTTGTCTGGCAGGATGCAAAATCTTTTCGT
 GGTGATAAGAAGCCGAATAACACAGAGTTCTATGACTGCAGTTGTATCAGCAACTCTGGAAACAACCTCAG
 CACATTTGGGTGAATGCCAAGATACAAATGCAAACCAACTATTACTTTTATATAATTCTTCAAGTCAC
 TGTGTCCTTTTCTACTGCAATGGGAAGCCCATTTAATCTTGATTCTGATGAAGAGCGTCCAACCTGAA
 TTGAAATCACTTGAATGGGTTTCCATTACTGATTATTCGAGCACTAGGAGGGATTCTAGCTCCAATCT
 ATTATGGGGCATTCAATTGACAGAACGTGTATTAAGTGGTCTGTCACCAGCTGTGGAAAACGTGGTGCATG
 TAGGCTATATAACTCCAGATTATTTGGATTCTCCTACTTGGGTTTGAACCTTAGCTTTAAAAACTCCACCA
 CTTTTTTTATATGTTGTATTAATTTATTTACAAAAGAGAAAAATAAAAGAAATGATAACAAGACATTGG
 AAAATGGAAGACAGTTCACAGATGAAGGAAACCCAGATTCTGTAATAAAAAATGGATACTATTGTGTACC
 TTATGATGAACAAAGCAATGAAACACCTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2810_b09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_031650

Insert Size: 2064 bp

OTI Disclaimer: 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.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_031650.3](#), [NP_113838.1](#)

RefSeq Size: 3218 bp

RefSeq ORF: 2064 bp

Locus ID: 58978

UniProt ID: [Q9QZX8](#)

Cytogenetics: 4q44

Gene Summary: mediated uptake of a variety of organic anions including taurocholate, bromosulfophthalein and steroid conjugates [RGD, Feb 2006]
 Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.