

Product datasheet for **RN217057**

Slco1b2 (NM_001270587) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco1b2 (NM_001270587) 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: >RN217057 representing NM_001270587
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCACACTCAGCAGTCAAGGAAAGCTGCAGAGGCCAACCTTCACGATCAAAGCAAACAAGTTCT
 GCGATGGATTCAAGCTATTTTTGGCAGCCCTCTCCTTCAGCTACATATGCAAAGCACTAGGTGGAGTTGT
 TATGAAGAGTTCCATCACCCAAATCGAAAGAAGATTTCGACATACCATCTTCCATTCTGGTTTGATTGAT
 GGAGGCTTTGAAATTGGGAATTTATTAGTTATTGTATTGTGAGTTACTTTGGATCCAACTACACAGGC
 CAAAGCTGATTGGAATTGGCTGCTTCATCATGGGCATTGGGAGCATTTCGACAGCGTTGCCACATTTCTT
 CATGGGATATTACAAGTATGCAAAGAAAACGACATTGGCTCTCTAGGCAACTCTACATTGACCTGTTTC
 ATCAATCAATGACATCACCCACTGGACCTTCACCTGAGATAGTGGAGAAAGGTTGTGAAAGGGGTAA
 AGTCACACATGTGGATTTATGTCTTGATGGGGAACATGCTTCGTGGGATAGGGGAAACACCAATAGTGCC
 CCTGGGAATTTCTACCTTGATGACTTTGCAAAAGAAGGGCACACTTCCATGCACCTAGACAGTGTCCGA
 ATAACCTCAATGATGCTCGTTGGGTGGTGCCTGGTGGCTCAGCTTCATTGTGAATGGACTATTATGCA
 TTACTTCTTCCATACCTTCTTTTTCTGCCAAAATTCCAAAGAGGTCACAGGAGGAAAGGAAAAATTC
 AGTATCTCTTCATGCACCCAAAACAGATGAGGAGAAGAAACACATGACTAATTTAACAAAGCAAGAGGAA
 CAAGATCCTTCCAACATGACTGGTTTTCTAAGGTCTCTGAGAAGCATCCTTACCAATGAAATATATGTTA
 TATTCTTGATACTGACGTTACTACAAGTCAGCGGCTTCATTGGCTCCTTTACTTACCTGTTCAAGTTCAT
 AGAGCAGCAGTTTCGGCCGGACAGCATCTCAGGCCAACTTCTTGTTAGGAATTATAACCATACCTACTATG
 GCAACTGCAATGTTTTTAGGAGGATATATTGTTAAAAAATTCAAATTGACATCGGTTGGAATCGCCAAGT
 TTGATTTTTTCACTCCTCAGTGGCCTATGCGTTTCAGTTCCTTATATTTTCTCTACTCTGTGAAAAACA
 GCCATTTGCTGGCCTAACCTTGACCTACGATGGAATGAACCCAGTGGACTCTCACATAGATGTACCACTT
 TCTTATTGTAACCTCGGACTGCAGTTGTGATAAAAAATCAATGGGAACCATCTGTGGGAAAAATGGAGTCA
 CTTACATTTACCTTGTCTGGCAGGATGCAATCTTTTCGTGGTGATAAGAAGCCGAATAACACAGAGTT
 CTATGACTGCAGTTGTATCAGCAACTCTGGAAACAACTCAGCACATTTGGGTGAATGCCAAGATACAAA
 TGCAAAACCAACTATTACTTTTATAATTCTTCAAGTCACTGTGCTTTTTCTACTGCAATGGGAAAGCC
 CATCTTTAATCTTGATTCTGATGAAGAGCGTCAACCTGAATTGAAATCACTTGAATGGGTTTCCATT
 ACTGATTATTCGAGCACTAGGAGGGATTCTAGCTCCAATCTATTATGGGCACTTATTGACAGAACGTGT
 ATTAAGTGGTCTGTACCAGCTGTGAAAACGTGGTGCATGTAGGCTATATAACTCCAGATTATTTGGAT
 TCTCTACTTGGGTTTGAACCTAGCTTTAAAACTCCACCACTTTTTTATATGTTGTATTAATTTATTT
 CACAAAGAGAAAAATATAAAAGAAATGATAACAAGACATTGGAAAAATGGAAGACAGTTACAGATGAAGGA
 AACCCAGATTCTGTAATAAAAAATGGATACTATTGTGTACCTTATGATGAACAAAGCAATGAAACACCTC
 TT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001270587

Insert Size: 1965 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001270587.1, NP_001257516.1</u>
RefSeq Size:	3119 bp
RefSeq ORF:	1965 bp
Locus ID:	58978
UniProt ID:	<u>Q9QZX8</u>
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 (3, also known as rlst-1c) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) 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.