

Product datasheet for **RN201921**

Slc1a1 (NM_017111) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc1a1
Synonyms:	OATP-1; Oatp1; Slc21a1; Slc21a3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >RN201921 representing NM_017111
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGAAACAGAGAAAAAGATTGCAACACAAGAGGGTAGATTGTTTTCCAAGATGAAGGTGTTTCTGC
TGTCATTAAACATGTGCATGTTTAACCAAATCACTATCAGGAGTATATATGAATTCATGCTCACACAAAT
AGAGAGACAATTTGATATCTCCACATCTGTAGCTGGATTAATCAATGGGAGCTTTGAGATTGGAAACCTT
TTTTTCATTGTATTTGTGAGTTATTTTGAACAAAACCTGCACAGACCTGTGGTGATTGGTATTGGATGTG
TGATTATGGGCTGGGGTGTCTCTTAATGTCATTACCTCATTCTTCATGGGCAGATACGAATATGAAAC
AACGATCTCACCTACAGGCACTTGTCTCAAACAGCTTCTTGTTGATGGAGAACCGAACACAGACCTTA
AAGCCAACGCAAGACCCAGCAGAATGTGTGAAAGAAATGAAATCATTAAATGTGGATATGTGAATGGTAG
GAAATATTATACGTGGAATTGGTGAAACTCCTATTGTGCCCTTGGGTATCTCTTACATCGAAGACTTTGC
CAAATCAGAAAACCTCCTTTATACATTGGGATTTAGAAAAGGGAAGGTTGCTGGCCCAATTTTGGGA
CTTTTGTGGGATCTTACTGTGCACAAATTTATGTAGACATTGGGTCTGTGAATACAGATGACCTGACCA
TAACACCCAGTGATACACGCTGGGTGGTGCTTGGTGGATTGGCTTTTTGGTCTGTGCAGGAGTGAATAT
CCTGACCAGCATCCCTTTTTCTTTTGGCGAAAGCACTTCCAAAGAAAGGACAACAGGAGAATGTTGCT
GTGACTAAAGATGGCAAAGTTGAGAAATATGGAGGACAAGCCAGAGAGGAAAATCTTGAATCACTAAAG
ATTTCTTGACGTTTCATGAAGAGGCTCTTCTGCAATCCGATTTACATGCTTTTCATCCTTACAAGTGTGCT
CCAGGTGAATGGCTTTATTAATAAAATTTACGTTCTTGCCCAAATACCTGGAACAGCAGTATGAAAAATCT
ACTGCAGAGGCAATATTCCTCATAGGTGTTTATAGCTTACCTCCCATATGCCTCGGGTATCTAATTGGTG
GCTTTATTATGAAGAAGTTTAAAGTACTGTCAAGAAAGCTGCATACCTAGCATTTCCTATCGGTGTT
TGAATATCTTCTTTTCTTTGTCACTTTATGTTGACCTGTGACAATGCAGCAGTTGCTGGATTAACCACC
TCTTACAAAGGAGTTCAGCACCAACTACATGTGGAGAGCAAGGTCCTTGCTGACTGCAACACAAGGTGTA
GCTGCTCAACGAACACATGGGATCCAGTGTGTGGAGACAATGGTGTAGCATACATGTCAGCTTGCCTTGC
GGGCTGTAAGAAGTTTGTGGAACGGAACCAACATGGTGTTCAGGATTGCAGCTGCATTCACTCATT
GGAAACTCGTCTGCAGTCTGGGTCTGTGTAAAAAAGGTCCTGAGTGTGCCAACAGGCTGCAGTACTTTT
TAATCTTAACAATAATTATCAGTTTCATCTACTCACTTACAGCCATACCTGGGTACATGGTTTTTTGAG
GTGTGTCAAGTCTGAAGAGAAGTCACTTGGAGTTGGATTACATACATTTTGCATAAGAGTATTTGCTGGT
ATTCGCGCACCTGTTTACTTTGGCGCTTTGATAGACAGAACCTGTTTACATTGGGGAACCTGAAATGTG
GTCAGCGAGGGGCATGCAGGATGTATGACATAAACAGTTTCAGGCACATTTACCTGGGGTTGCCTATAGC
ACTAAGAGGATCAAGCTATCTGCCTGCCTTCTTCATTCTGATACTTATGAGGAAATCCAGTTCCTCCGGG
GACATTGACTCTTCAGCAACTGATCATACAGAGATGATGCTCGGAGAGAAGGAAGCGAGCACACAGATG
TGCATGGAAGTCCTCAGGTCGAGAATGACGGGAGAACTGAAAACGAAGCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017111

Insert Size: 2013 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017111.1 , NP_058807.1
RefSeq Size:	2758 bp
RefSeq ORF:	2013 bp
Locus ID:	50572
UniProt ID:	P46720
Cytogenetics:	4q44
Gene Summary:	mediates the transport of sulfated, amidated bile acid, sulfolithocholyltaurine, into rat hepatocytes [RGD, Feb 2006]