

Product datasheet for **RN202623**

Slc1c1 (NM_053441) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc1c1
Synonyms:	Bsat1; Oatp14; Slc21a14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>RN202623 representing NM_053441

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACACTTCATCCAAAGAAATGCCATTTGTTCCACAAAATTCAGCGCAACCTGCCGGAGGGCCAT
CTTTTAAAGCGGGATATCCGTCCACAGAGGAAGCGGCCATGCTGTGAAAACTCAAGGTGTTCTTAGG
TGCCCTGTCTTTTGTACTTTGCCAAAGCATTGACAGAAGGCTACCTGAAGAGCACTATTACTCAGATA
GAGAGAAGGTTTGATATCCCTTCTCTCTGGTGGGAATAATTGATGGTAGTTTCGAAATTGGGAATCTCC
TGGTCATAACATTGTTAGCTACTTTGGTGCCAACTTCACAGGCCAAAAATAATTGGAGCAGGATGCCT
GGTCATGGGCTTTGGAATATGCTCATCGCAGTTCCCGAGTTCTTCATGGAGAAGTACAGCTATGAGAAA
TATGAGAGGTATTCTCCCTCTCAACCTCACTCCCAACATCTCTCGTGCTACCTAGAGTCCAGCAGTC
CATCACCACGCTCAATCGTGGGAAATCACAAACAAGATAAACGATGAGTGTGAAGTGGATACCAAGTTC
CTCCATGTGGGTTTATGCTTCTGGGAAACCTTCTCCGAGGATTAGGGGAACTCCTATCCAACCCCTG
GGCATCGCCTACCTGGATGATTCGCCAGTGAAGACAATGCTGCCTTCTACATCGGGTGTGTGCAGACAG
TGGCAATTATAGGGCCCATTTTCGGCTTCTCTGGGTTTATTATGTGCCAACTCTATGTTGATATTGG
CTTTGTGAATCTAGACCACATAACTATACCCCAAGGATCCCGAGTGGGTGGGGCTGGTGGCTTGGT
TACCTAATAGCAGGGTTCCTAAGTCTTCTGACGCGTGCCTTTCTGGTGCTTACCAAGACTCTACCA
GATCCCAAGTAGAGAGGACTCCGGCTCCTCTGAGAAATCCAAGTTCATTACAGATGACCCTGTTAA
CTACCAATAGGGCCCAAGAGAAGCATGAAATCATGGAATGGCAGGGATTTTCTTCCATCACTG
AAGAGTCTTTTAGAAATCCAGTATACATCTTACTTGTGTGCAAGCACTGTTCAAGTTCATTCTCTAT
TCGGCATGGTCACATATAAACCAAGTACATTGAGCAGCAGTATGGGCAGTCTTCTCCAAAGCCAACTT
TGTCATTGGTCTCATCAATATTCCTGCAGTGGCCCTTGGAAATATTCTCTGGGGGAATAGTTATGAAAAA
TTCAGGCTGGGTATTGTGAAGCTACAAAACCTCTACTTGGGATCATCTGTCTTTGGCTACCTCCTCTTCC
TCTCTCTGTTTGCAGTGGGATGTGAAAATCCAGTGTGGCCGGACTAACTGTCTCTACCAAGGAACCA
ACCTGTCTCTTATCATGAACGAGCTCTCTTTTCTGAGATTGCAACTCAAGATGCAATGTTTCAAGTCAAAA
TGGGAGCCCATGTGTGGGACAATGGGATTACCTATGCGTCCGCTTGTCTTGTGGCTGTCAATCTCTCA
GCCGGAGTGAAAGAACATTATATTTTCTAACTGCACTTGTGTGGGATTGCTGCCCTAAATCAGGAAA
CTGGTCAGGCATGATGGCAGGTGTCAGAAAGATAATGGATGTTCCCAATGTTTCTGTATTTCTTGTG
ATTTCAAGTCATCACATCATATACATTATCTCTAGGTGGCATACCTGGATATATATTACTTTGAGGTGCA
TTCAACCACAACTTAAGTCTTTTGTCTGGGCATCTACACCTTAGCAGTAAGAGTTCTTGCAGGAATCCC
AGCCCCCGTACTTTGGTGTTTAATCGACACTTCTGTCCTCAAGTGGGGATTTAAGAAATGTGGAAGC
AGAGGCTCTGCAGACTGTACGACTCTCATGCTTTCAGACATATACCTGGGACTAACACGCTCTTGG
GCACGGTGTCTGTCTTCTAAGCAGGCTGTGCTTTTGGTTTTAAGAAAAAATACGTCTCAAAACGCAG
CAGCTTCATAACCGCAAGAGAAAAATAGTGATGTCCTCAAGCGTCAAAAGGAGACGTGTGCCCAAGG
GATCATGGGTTGCAGCCCAAGTACTGGCCAGGCAAGGAGACCCGACTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_053441

Insert Size:

2151 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).

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:	<u>NM_053441.1, NP_445893.1</u>
RefSeq Size:	2736 bp
RefSeq ORF:	2151 bp
Locus ID:	84511
UniProt ID:	<u>Q9EPZ7</u>
Cytogenetics:	4q44
Gene Summary:	catalyzes high affinity transport of sulfated bile acids into hepatocytes [RGD, Feb 2006]