

Product datasheet for **SC113235**

SLCO1B3 (NM_019844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO1B3 (NM_019844) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLCO1B3
Synonyms:	HBLRR; LST-2; LST-3TM13; LST3; OATP-8; OATP1B3; OATP8; SLC21A8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_019844, the custom clone sequence may differ by one or more nucleotides

```

ATGGACCAACATCAACATTTGAATAAAACAGCAGAGTCAGCATCTTCAGAGAAAAAGAAAACAAGACGCT
GCAATGGATTCAAGATGTTCTTGGCAGCCCTGTCATTGACGCTATATTGCTAAAGCACTAGTGGAATCAT
TATGAAAATTTCCATCACTCAAATAGAAAGGAGATTTGACATATCCTCTCTCTGCTGGTTAATTGAT
GGAAGCTTTGAAATTGGAAATTTGCTTGTGATTGATTTGTAAGTTACTTTGGATCTAAACTACACAGAC
CGAAGTTAATTGGAATTGGTTGTCTCCTTATGGGAACTGGAAGTATTTTGACATCTTTACCACATTTCTT
CATGGGATATTATAGGTATTCTAAAGAAACCCATATTAATCCATCAGAAAATTCACATCAAGTTTATCA
ACCTGTTTAATTAATCAAACCTTATCATTCAATGGAACATCACCTGAGATAGTAGAAAAAGATTGTGTA
AGGAATCTGGGTCACACATGTGGATCTATGTCTTCATGGGGAATATGCTTCGTGGCATAGGGGAAACCC
CATAGTACCATTGGGGATTTACATACATTGATGATTTTGCAAAGAAGGACATTCTCCTTGTATTTAGGT
AGTTTGAATGCAATAGGAATGATTGGTCCAGTCATTGGCTTTGCACTGGGATCTCTGTTTGTAAAATGT
ACGTGGATATTGGATATGTAGATCTGAGCACTATCAGAATAACTCCTAAGGACTCTCGTTGGGTTGGAGC
TTGGTGGCTTGGTTTCCTTGTGTCTGGACTATTTCCATTATTTCTCCATACCATTTTTTTCTTGCCG
AAAAATCCAAATAAACCAAAAAAGAAAGAAAAATTTCACTATCATTGCATGTGCTGAAAACAAATGATG
ATAGAAATCAAACAGCTAATTTGACCAACCAAGGAAAAATGTTACCAAAAATGTGACTGGTTTTTTCCA
GTCTTTGAAAAGCATCCTTACCAATCCCCTGTATGTTATATTTCTGCTTTTGACATTGTTACAAGTAAGC
AGCTTTATTGGTTCTTTTACTTACGTCTTTAAATATATGGAGCAACAGTACGGTCAGTCTGCATCTCATG
CTAACTTTTTGTTGGGAATCATAACCATTCCACGGTTGCAACTGGAATGTTTTAGGAGGATTTATCAT
TAAAAAATCAAATTGTCTTTAGTTGGAATTGCCAAATTTTCATTTCTTACTTCGATGATATCCTTCTTG
GAAATAATTCAGTGGCATCTCATGTAGATGTACCACCTTTCTTATTGCAACTCAGAGTGCAATTGTGATGA
AAGTCAGTGGGAACAGTCTGTGGGAACAATGGAATAACTTACCTGTACCTTGTCTAGCAGGATGCAAAA
TCCTCAAGTGGTATTA AAAAGCATACAGTGTTTTATAACTGTAGTTGTGTGGAAGTAACTGGTCTCCAGA
ACAGAAATTA CT CAGCACACTTGGGTGAATGCCCAAGAGATAATACTTGTACAAGGAAATTTTTCATCTA
TGTTGCAATTCAAGTCATAAACTCTTGTCTCTGCAACAGGAGTACCACATTTATCTTGTGACTGTG
AAGATTGTTCAACCTGAATTGAAAGCACTTGAATGGGTTTCCAGTCAATGGTTATAAGAACACTAGGAG
GAATTCTAGCTCCAATATATTTTGGGGCTCTGATTGATAAAACATGTATGAAGTGGTCCACCAACAGCTG
TGGAGCACAAGGAGCTTGTAGGATATATAATTCCGATTTTTTTGGAAGGGTCTACTTGGGCTTATCTATA
GCTTTAAGATTCCCAGCACTTGTATATATTGTTTTTCATTTTTGTATGAAGAAAAATTTCAAGGAA
AAGATACCAAGGCATCGGACAATGAAAGAAAAAGTAAATGGATGAAGCAAACCTAGAAATTTAAAATATGG
TGAACATTTTGTACCTTCTGCTGGAACAGATAGTAAAACATGTAATTTGGACATGCAAGACAATGCTGCT
GCCAACTAA
    
```

Restriction Sites: NotI-NotI
ACCN: NM_019844
Insert Size: 3000 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_019844.1](#), [NP_062818.1](#)

RefSeq Size: 2646 bp

RefSeq ORF: 2109 bp

Locus ID: 28234

UniProt ID: [Q9NPD5](#)

Cytogenetics: 12p12.2

Domains: OATP_N, OATP_C

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a liver-specific member of the organic anion transporter family. The encoded protein is a transmembrane receptor that mediates the sodium-independent uptake of endogenous and xenobiotic compounds and plays a critical role in bile acid and bilirubin transport. Mutations in this gene are a cause of Rotor type hyperbilirubinemia. Alternative splicing of this gene and the use of alternative promoters results in transcript variants encoding different isoforms that differ in their tissue specificity. [provided by RefSeq, Mar 2017]

Transcript Variant: This variant (1) encodes the longer isoform (1), which is highly expressed in the liver. 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.

