

Product datasheet for **SC113029**

SLCO1A2 (NM_021094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO1A2 (NM_021094) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLCO1A2
Synonyms:	OATP; OATP-A; OATP1A2; SLC21A3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_021094 edited
 TGAAGAGCAACATGGGAGAACTGAGAAAAGAATTGAAACCCATAGAATAAGATGTCTTT
 CCAAGTTGAAGATGTTTCTGTTGGCAATAACATGTGCATTTGTATCCAAAACACTGTCTG
 GATCTTATATGAATTCATGCTCACACAAATAGAGAGACAATTC AACATCCCAACATCTC
 TAGTTGGATTCTTAATGGAAGCTTTGAGATTGGAAATCTTTTGTGATTATATTTGTGA
 GTTATTTTGGAAACAACTGCATAGACCTATAATGATTGGCATTGGATGTGTGGTTATGG
 GCTTAGGCTGTTTCTTAAAATCACTACCTCATTTCCTCATGAACCAATATGAATATGAAT
 CTACAGTTTCAGTTTCAGGCAACTTGTCCCTCAAACAGTTTCTTGTGTATGGAAAATGGAA
 CCCAGATTTTAAAGACCAACGCAGGATCCATCAGAGTGTACAAAGGAAGTTAAATCATTAA
 TGTGGGTGTACGTCTAGTAGGCAATATTGTACGTGGAATGGGTGAAACTCCCATCCTGC
 CTTTGGGTATTTCTATATAGAAGATTTTGCCAAATTTGAAAATCTCCTTTATATATTG
 GGCTTGTAGAAACAGGAGCTATTATTGGTCCTTTGATCGGACTTTTGTGGCATCATTCT
 GTGCAATGTTTATGTTGACACTGGATTGTGAACACAGATGATCTGATCATAACTCCCA
 CTGACACTCGTTGGTCCGTGCATGGTGGTTTGGCTTTCTGATTGTGCAGGAGTTAACG
 TGCTCACTGCCATTCCTTTTTCTTTTTGCCCAACACACTTCAAAGGAAGGACTAGAGA
 CTAATGCTGACATCAATAAAAATGAAAATGAAGACAAACAAAAGAAGAGGTCAAGAAGG
 AAAAAATATGGAATCACTAAAGATTTTCTACCTTTCATGAAAAGTCTTTCCTGCAATCCAA
 TTTATATGCTTTTCATACTTGTAAAGTGTGATACAGTTCATGCATTTCGTTAACATGATCT
 CCTTCATGCCTAAATACCTAGAACAGCAATATGGAATATCATCTTCAGATGCAATCTTTC
 TAATGGGTATTTATAACTTACCTCCAATATGTATTGGATATATAATTGGTGGTTAATTA
 TGAAGAAGTTCAAGATTACTGTCAAACAAGCTGCCACATAGGATGTTGGTTATCCTTAC
 TTGAGTATCTTCTATTTTTTATCTTTTCTCATGACTGTGAAAATCTTCAGTTGTTG
 GAATAAATACCTCTTATGAAGGAATCCACAAGATTTATATGTGGAAAATGACATCTTTG
 CTGATTGCAATGTGGATTGCAACTGTCCATCTAAAATATGGGATCCTGTGTGTGGAAACA
 ATGGCTTGTATCTGTGAGCTTGTCTTGTGTTGTGAGACATCCATTGGAACGGGAA
 TAAACATGGTGTCCAAAATGACAGCTGTATTCAAACATCAGGAAATTCATCTGCAGTTC
 TTGGGCTGTGCGACAAAGGACCTGACTGTTCTTGTGCTCCAGTACTTCTAATCTTGT
 CAGCGATGAGCAGTTTCATTTATCTTTGGCTGCCATACCTGGATATATGGTTCTCTTGA
 GGTGTATGAAATCTGAAGAGAAGTCCCTTGGTGTGGGATTACATACATTTGCACAAGAG
 TATTTGCTGGCATTCTGCACCTATATATTTTGGCGCTTAAATGGATTCCACATGTTTAC
 ACTGGGGAACCTTGAATGTGGTGTGAGTCAAGGGCATGCAGGATATATGATTCCACCACCT
 TCAGATACATCTACCTCGGATTGCCGGCAGCACTAAGAGGATCAAGCTTTGTTCCAGCCT
 TAATCATCTTAATTCTTTTGGAGGAAGTGTATCTACCTGGTGAATGCCTCTTCAGGAA
 CAGAGCTTATAGAGACAAAAGTCAAAGGGAAGGAAAATGAGTGAAGATATATACCAA
 AGTCCACGGTTTTGAAAGATGATGAATTGAAAACATAAATTGTAATTGTCCTATTATTA
 CTTTTTTCAGAATTAGAGAACATGCTGTACAACCTAATTGTTTTAAAAATCAGTAGAGAT
 ATAATAGATAACTTTTTCTTGTCTTTAAGAACCTAAAAACCTCTTAACCTAAAAATAATA
 AAATGTTCACTAATGATAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_021094

Insert Size: 2200 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_021094.2.

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:	<ol style="list-style-type: none">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_021094.2 , NP_066580.1
RefSeq Size:	2919 bp
RefSeq ORF:	2013 bp
Locus ID:	6579
UniProt ID:	P46721
Cytogenetics:	12p12.1
Domains:	OATP_N, OATP_C
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a sodium-independent transporter which mediates cellular uptake of organic ions in the liver. Its substrates include bile acids, bromosulphophthalein, and some steroidal compounds. The protein is a member of the SLC21A family of solute carriers. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. The translation of this protein may be modulated by multiple upstream ORFs that are present in the 5' UTR. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>