

Product datasheet for **SC309088**

SLCO1A2 (NM_134431) Human Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SLCO1A2 (NM_134431) 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 ORF sequence for NM_134431 edited
 ATGGGAGAACTGAGAAAAGAAATTGAAACCCATAGAATAAGATGTCTTTTCAAGTTGAAG
 ATGTTTCTGTTGGCAATAACATGTGCATTTGTATCCAAAACACTGTCTGGATCTTATATG
 AATTCCATGCTCACACAAATAGAGAGACAATTCAACATCCCAACATCTCTAGTTGGATTC
 ATTAATGGAAGCTTTGAGATTGGAATCTTTTGTGATTATATTTGTGAGTTATTTTGG
 ACCAAACTGCATAGACCTATAATGATTGGCATTGGATGTGTGGTTATGGGCTTAGGCTGT
 TTCTTAAATCACTACCTCATTTCCTCATGAACCAATATGAATATGAATCTACAGTTTCA
 GTTTCAGGCAACTTGCTCCTCAAACAGTTTCTTGTGTATGGAAAATGGAACCCAGATTTTA
 AGACCAACGCAGGATCCATCAGAGTGTACAAAGGAAGTTAAATCATTAAATGTGGGTGTAC
 GTCCTAGTAGGCAATATTGTACGTGGAATGGGTGMACTCCCATCCTGCCTTTGGGTATT
 TCCTATATAGAAGATTTTGCCAAATTTGAAAATTCCTTTATATATTGGGCTTGTAGAA
 ACAGGAGCTATTATTGGTCTTTGATTGGACTTTTGTGGCATCATTCTGTGCAAATGTT
 TATGTTGACACTGGATTTGTGAACACAGATGATCTGATCATAACTCCCCTGACACTCGT
 TGGGTCGGTGCATGGTGGTTTGGCTTTCTGATTTGTGCAGGAGTTAACGTGCTCACTGCC
 ATTCCTTTTTTCTTTTTGCCAACACACTTCAAAGGAAGGACTAGAGACTAATGCTGAC
 ATCATTAAAAATGAAAATGAAGACAAACAAAAGAGGTCAAGAAGGAAAAATATGGA
 ATCACTAAAGATTTTCTACCTTTTATGAAAAGTCTTTCCTGCAATCCAATTTATATGCTT
 TTCATACTTGAAGTGTGATACAGTTCAATGCATTTCGTTAACATGATCTCCTTCATGCCT
 AAATACCTAGAACAGCAATATGGAATATCATCTTCAGATGCAATCTTTCTAATGGGTATT
 TATAACTACCTCCAATATGATTGGATATATAATTGGTGGTTAATTATGAAGAAGTTC
 AAGATTACTGTCAAACAAGCTGCCACATAGGATGTTGGTTATCCTTACTTGAGTATCTT
 CTCTATTTTTTATCTTTTCTCATGACTTGTGAAAATCTTCAGTTGTTGGAATAAATACC
 TCTTATGAAGGAATCCACAAGATTTATATGTTGAAAATGACATCTTTGCTGATTGCAAT
 GTGGATTGCAACTGTCCATCTAAAATATGGGATCCTGTGTGTGGAAACAATGGCTTGTC
 TATCTGTCAGCTTGTCTTGTGGTGTGAGACATCCATTGGAACGGGAATAAACATGGTG
 TTCCAAAATTGCAGCTGTATTCAAACATCAGGAAATTCATCTGCAGTTCTTGGGCTGTGC
 GACAAAGGACCTGACTGTTCTTGTATGCTCCAGTACTTCTAATCTTGTGTCAGCGATGAGC
 AGTTTCATTTATCTTTGGCTGCCATACCTGGATATATGGTTCTCTTGAGGTGTATGAAA
 TCTGAAGAGAAGTCCCTTGGTGTGGGATTACATACATTTTGCACAAGAGTATTTGCTGGC
 ATTCCTGCACCTATATATTTGGCGCTTAATGGATTCCACATGTTTACACTGGGGAAC
 TTGAAATGTGGTGTGAGTCAGGGGCATGCAGGATATATGATTCCACCACCTCAGATACATC
 TACCTCGGATTGCCGGCAGCACTAAGAGGATCAAGCTTTGTTCCAGCCTTAATCATCTTA
 ATCTTTTGTAGGAAGTGTATCTACCTGGTGAATGCCTCTTCAGGAACAGAGCTTATA
 GAGACAAAAGTCAAAGGGAAGGAAAATGAGTGCAAAGATATATACAAAAGTCCACGGTT
 TTGAAAGATGATGAATTGAAAACAAAATTGTAA

- Restriction Sites:** Please inquire
- ACCN:** NM_134431
- Insert Size:** 2240 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:** A 5' end in-Frame SNP, which changes amino acid from S to F, was observed. This SNP comes from a partial cDNA clone which is obtained from cDNA library.
- 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_134431.1](#), [NP_602307.1](#)

RefSeq Size: 3389 bp

RefSeq ORF: 2013 bp

Locus ID: 6579

UniProt ID: [P46721](#)

Cytogenetics: 12p12.1

Protein Families: Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (1) represents the longer transcript. 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.