

Product datasheet for SC116071

OATP2 (SLCO1B1) (NM_006446) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OATP2 (SLCO1B1) (NM_006446) Human Untagged Clone
Tag:	Tag Free
Symbol:	OATP2
Synonyms:	HBLRR; LST-1; LST1; OATP-C; OATP1B1; OATP2; OATPC; SLC21A6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006446, the custom clone sequence may differ by one or more nucleotides

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AACAAAATATTAACGCTTACAATTTCCATTCGCCATTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGT
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 AATATT

Restriction Sites: NotI-NotI
ACCN: NM_006446
Insert Size: 2800 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>The ORF of this clone has been fully sequenced and found to be a perfect match to NM_006446.2.</p>
Components:	<p>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).</p>
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:	<p>NM_006446.4, NP_006437.3</p>
RefSeq Size:	<p>2830 bp</p>
RefSeq ORF:	<p>2076 bp</p>
Locus ID:	<p>10599</p>
UniProt ID:	<p>Q9Y6L6</p>
Cytogenetics:	<p>12p12.1</p>
Domains:	<p>OATP_N, OATP_C</p>
Protein Families:	<p>Druggable Genome, Transmembrane</p>
Gene Summary:	<p>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 numerous endogenous compounds including bilirubin, 17-beta-glucuronosyl estradiol and leukotriene C4. This protein is also involved in the removal of drug compounds such as statins, bromosulfophthalein and rifampin from the blood into the hepatocytes. Polymorphisms in the gene encoding this protein are associated with impaired transporter function. [provided by RefSeq, Mar 2009]</p>