*h*OATP1β1/OATP2 VersaClone cDNA

Catalog Number: RDC0160

Specifications:

Gene:	*h*SLCO1B1
Accession:	NP_006437
Insert size:	2089bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

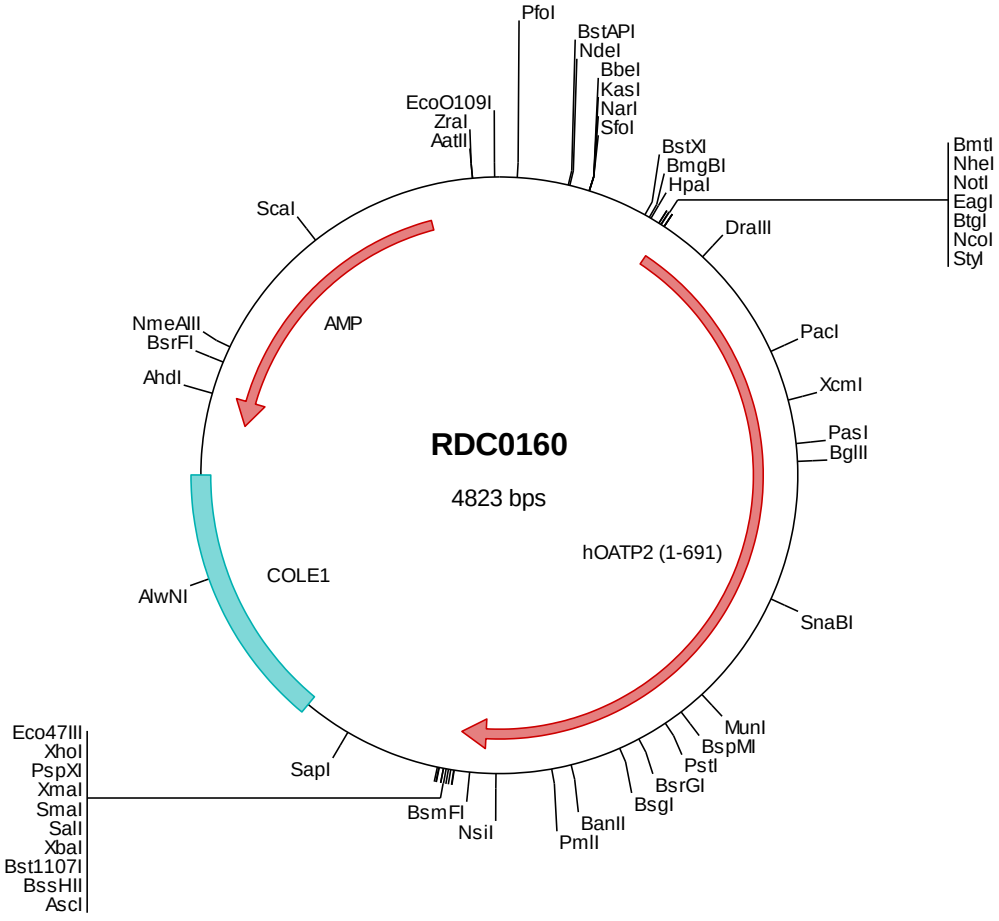
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*OATP1β1/OATP2 cDNA Plasmid

SLCO1B1 solute carrier organic anion transporter family, member 1B1 [*Homo sapiens*]

Also known as: LST1; HBLRR; LST-1; OATP2; OATPC; OATP-C; OATP1B1; SLC21A6

Summary:
OATP2 is a liver-specific member of the organic anion transporter family that is highly expressed. It is a transmembrane receptor that mediates the sodium-independent uptake of numerous endogenous compounds including bilirubin, 17-beta-glucuronosyl estradiol and leukotriene C4. OATP2 is also involved in the removal of drug compounds such as statins, bromosulfophthalein and rifampin from the blood into the hepatocytes. OATP2 may play an important role in the clearance of bile acids and organic anions from the liver.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0160 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggaccaaa atcaacattt gaataaaaca gcagaggcac aaccttcaga
 501  gaataagaaa acaagatact gcaatggatt gaagatgttc ttggcagctc tgtcactcag ctttattgct aagacactag gtgcaattat tatgaaaagt
 601  tccatcattc atatagaacg gagatttgag atatcctctt ctcttgttgg ttttattgac ggaagctttg aaattggaaa tttgcttgtg attgtatttg
 701  tgagttactt tggatccaaa ctacatagac caaagttaat tggaatcggt tgtttcatta tgggaattgg aggtgttttg actgctttgc cacatttctt
 801  catgggatat tacaggtatt ctaaagaaac taatatcaat tcatcagaaa attcaacatc gaccttatcc acttgtttaa ttaatcaaat tttatcactc
 901  aatagagcat cacctgagat agtgggaaaa ggttgtttaa aggaatctgg gtcatacatg tggatatatg tgttcatggg taatatgctt cgtggaatag
1001  gggagactcc catagtacca ctgggggctt cttacattga tgatttcgct aaagaaggac attcttcttt gtatttaggt atattgaatg caatagcaat
1101  gattggtcca atcattggct ttaccctggg atctctgttt tctaaaatgt acgtggatat tggatatgta gatctaagca ctatcaggat aactcctact
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1701  gtcattgtcc ttttacctat tatatttttt catactctgt gaaaacaaat cagttgccgg actaaccatg acctatgatg gaaataatcc agtgacatct
1801  catagagatg taccactttc ttattgcaac tcagactgca attgtgatga aagtcaatgg gaaccagtct gtggaaacaa tggaataact tacatctcac
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2201  gaattctagc tccaatatat tttggggctc tgattgatac aacgtgtata aagtggtcca ccaacaactg tggcacacgt gggtcatgta ggacatataa
2301  ttccacatca ttttcaaggg tctacttggg cttgtcttca atgttaagag tctcatcact tgttttatat attatattaa tttatgccat gaagaaaaaa
2401  tatcaagaga aagatatcaa tgcatcagaa aatggaagtg tcatggatga agcaaactta gaatccttaa ataaaaataa acattttgtc ccttctgctg
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2701  gagctaactc acattaattg cgttgcgctc actgcccgct ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga
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2901  taatacggtt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttgctggc
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4601  acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt
4701  agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaaccat tattatcatg acattaacct ataaaaatag
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> RDC0160 Translated Insert Sequence

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 201  keghsslylg ilnaiamigp iigftlgslf skmyvdigyv dlstiritpt dsrwvgawwl nflvsglfsi issipfffip qtpnkpqker kaslslhvle
 301  tndekdqtan ltnqgknitk nvtgffqsfk siltnplyvm fvlltllqvs syigaftyvf kyveqqygqp sskanillgv itipifasgm flggyiikkf
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