

Product datasheet for **RG226859**

SLCO2B1 (NM_001145212) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLCO2B1 (NM_001145212) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLCO2B1
Synonyms:	OATP-B; OATP2B1; OATPB; SLC21A9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226859 representing NM_001145212
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGACCAGGATAGAGGATATGCCACAGGACTTCAAGGCTTCCTGTGCCTGCCACAACCTCGGCC
 CAGCCTCGGCCCTCCAATGGCAACTGCTCAAGCTACACAGAAACCCAGCATCTGAGTGTGGTGGGAT
 CATGTTCTGTGGCACAGACCCTGTGGGCGTGGCGGGGTGCCATTACGCCCTTTGGCATCTCTACATC
 GATGACTTTGCCACAACAGCAACTCGCCCTCTACCTCGGGATCCTGTTTGCAGTGACCATGATGGGGC
 CAGGCCTGGCCTTTGGGCTGGGAGCCTCATGCTGCGCTTTATGTGGACATTAACCAGATGCCAGAAGG
 TGGTATCAGCCTGACCATAAAGGACCCCGATGGGTGGTGCCTGGTGGTGGGTTTCTCATCGCTGCC
 GGTGCAGTGGCCCTGGCTGCCATCCCTACTTCTTCTCCCAAGGAAATGCCAAAGGAAAACGTGAGC
 TTCAGTTTCGGCGAAAGGTCTTAGCAGTACAGACTCACCTGCCAGGAAGGCAAGGACTCTCCCTTAA
 GCAGAGCCCTGGGAGTCCACGAAGAAGCAGGATGGCCTAGTCCAGATTGCACCAACCTGACTGTGATC
 CAGTTTCAAAGTCTTCCCGAGGTGCTGCTGCAGACCTACGCCACCCATCTTCTGCTGGTGGTCC
 TGTCACAGGTATGCTTGTATCCATGGCTGCGGGCATGGCCACCTTCTGCCAAGTTTCTGGAGCGCCA
 GTTTTCCATCACAGCCTCCTACGCCAACCTGCTCATCGGCTGCCTCTCCTTCCCTTCGGTTCATCGTGGC
 ATCGTGGTGGGTGGCGTCTGGTCAAGCGGCTCCACCTGGGCCCTGTGGGATGCGGTGCCCTTGGCTGC
 TGGGGATGCTGCTGTGCCTTCTTTCAGCCTGCCGCTCTTCTTATCGGCTGCTCCAGCCACCAGATTGC
 GGGCATCACACACCAGACCAGTGGCCACCTGGGCTGGAGCTGTCTCAAGCTGCATGGAGGCTGCTCC
 TGCCATTGGACGGCTTAAACCCTGTCTGCGACCCAGCACTCGTGTGAATACATCACACCTGCCACG
 CAGGCTGCTCAAGCTGGGTGGTCCAGGATGCTCTGGACAACAGCCAGGTTTCTACACCACTGCAGTGC
 CGTGGTGGAGGGCAACCCCGTCTGGCAGGATCCTGCGACTCAACGTGCAGCCATCTGGTGGTGGCCCTT
 CTGCTCCTGGTCAAGCCTGGGCTCGGCCCTGGCCTGTCTCACCCACACACCTCCTTCATGCTCATCTAA
 GAGGAGTGAAGAAAGAAGACAAGACTTTGGCTGTGGGCATCCAGTTCATGTTCTGAGGATTTTGGCCTG
 GATGCCAGCCCCGTGATCCACGGCAGCGCCATCGACACCACCTGTGTGCACTGGGCCCTGAGCTGTGGG
 CGTCGAGCTGTCTGCTACTACAATAATGACCTGCTCCGAAACCGGTTTCATCGGCCTCCAGTTCTTCT
 TCAAAACAGGTTCTGTGATCTGCTTGCCTTAGTTTTGGCTGTCTGAGGCAGCAGGACAAAGAGGCAAG
 GACCAAAGAGAGCAGATCCAGCCCTGCCGTAGAGCAGCAATTGCTAGTGTGGGGCCAGGGAAGAAGCCA
 GAGGATCCCGAGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226859 representing NM_001145212
 Red=Cloning site Green=Tags(s)

MGPRIEDMPQDFKASLCLPTTSAPASAPSNGNCSYETQHLSVVGIMFVAQTLLVGGVPIQPFGISYI
 DDFAHNSNSPLYLGLFAVTMMGPGLAFGLGSLMLRLYVDINQMPEGGISLTIKDPRWVGAWWLGFLIAA
 GAVALAAIPYFFFPKEMPKEKRELQFRRKVLAVTDSARKGKDSKQSPGESTKKQDGLVQIAPNLTVI
 QFIKVFPRVLLQTLRHPIFLLVVLVSVQVCLSSMAAGMATFLPKFLERQFSITASYANLLIGCLSFPSVIVG
 IVVGGVLVKRLHLGPVCGALCLLGMLLCLFFSLPLFFIGCSSHQIAGITHQTSAHGPLELSPSCMEACS
 CPLDGFNPVCDPSTRVEYITPCHAGCSSWVVDALDNSQVFTNCSCVVEGNPVLGSCDSTCSHLVVPF
 LLLVSLGSAACLTHTPSFMLILRGVKKEDKTLAVGIQFMFLRILAWMPSPIVHGSIDTTCVHWALSCG
 RRAVCRYNNDLLRNRFIGLQFFFKTGSVICFALVLAFLRQDKEARTKESRSPAVEQQLLVSGPGKKP
 EDSRV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001145212.3](#)

RefSeq Size: 3922 bp

RefSeq ORF: 1698 bp

Locus ID: 11309

UniProt ID: [O94956](#)

Cytogenetics: 11q13.4

Protein Families: Transmembrane

Gene Summary: This locus encodes a member of the organic anion-transporting polypeptide family of membrane proteins. The protein encoded by this locus may function in regulation of placental uptake of sulfated steroids. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2010]