

Product datasheet for **MG207504**

Slco1c1 (BC078456) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco1c1 (BC078456) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slco1c1
Synonyms:	Oatp2, OATP-F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG207504 representing BC078456
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGACACCTCATCCAAAGAAAATGCCATTTGTTCCACAAAAATTCAGCGCAACCTGCCGAGGGCCAT
 CCTTTACAGTCGGATATCCGTCCACAGAGGAAGCGCGGCCATGCTGTGAAAACTCAAGGTGTTCTTGGG
 TGCCCTGTCGTTTGTACTTTGCCAAAGCATTGGCAGAAGGCTATCTGAAGAGCACCGTGAAGTACAGATA
 GAGAGAAGGTTTGAATCCCTCTCTGGTGGGAATAATTGATGGTAGTTTTGAAATCGGAATCTCC
 TGGTCATAACGTTTGTAGCTACTTTGGTGCCAACTTCACAGGCCAAAAATAATTGGAGCAGGATGCCT
 GGTCATGGGCTTCGGAATATGCTCATTGCTGTACCCAGTCTTCATGGAGAAGTACAGCTATGAGAAA
 TATGAGAGGTATCCCCGTCTCCAATGTTACTCCAGCATCTCTCCGTGCTACCTGGAGTCCAGCAGTC
 CATCACCAAGCTCAATCCTGGGAAATCACAGAACAAAAAAGTACGAATGTGTAGGGGATTCCAGCTC
 CTCCATGTGGGTTTATGTCTTCTGGGAAATCTTCTCGAGGGTTAGGGGAGACGCTATCCAACCCCTG
 GGCATCGCTATCTGGATGACTTTGCCAGTGAAGACAATGCTGCTTTCTACATCGGGTGTGTGCAGACAG
 TGGCAATTATAGGACCCATTTTGGCTTCTTTGGGCTCATTATGCGCAAACTGTATGTTGATATTGG
 CTTTGTGAATCTAGACCATATAACAATCACCCAAAGGATCCTCAGTGGGTCGGGGCCTGGTGGCTTGGT
 TACCTAATAGCTGGATTCTAAGTCTCCTTGCAGCTGTTCTTCTGGTCTTACCAAGACTCTACCAA
 GATCCCAAAGTAGAGAGAACTCTGGCTCCACATCTGAGAAATCCAAGTTCATAGATGACCTATTTACTA
 CCAATGGCCCTGGAGACGATAAAATGAAATCATGGAATGGCAAAAGATTTTCTTCCATCATTGAAG
 ACTCTTTTAGAAATCCAGTATACATCTTATCTTGTGTGCAAGCACCCTCAGTTCAATTCTCTATTGT
 GCATGGTCACATATAAACCAAAATACATTGAGCAGCAGTATGGGCAGTCTTCTTCAAAGCCAACCTTGT
 CATTGGGCTCATCAACATTCTGCAGTGGCCCTTGGAAATATTCTCTGGGGGAATAGTTATGAAAAAATTC
 AGGCTGGGTATTTGTGAAGCTACAAACTCTACTTGGGATCATCTGTCTTGGCTACCTCCTCTCTCTCT
 CTCTGTTTGAAGTGGATGTGAAATTCTAGTGTGGCCGACTGACTGTCTCTACCAAGGATTGCAACT
 CAAGATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207504 representing BC078456
 Red=Cloning site Green=Tags(s)

MDTSSKENAHLFHKNSAQAGGPSFTVGYPSSTEEARPCCGKLVFLGALSFVYFAKALAEGLKSTVTQI
 ERRFEIPSSLVGIIDGSFEIGNLLVITFVSYFGAKLHRPKIIGAGCLVMFGTMLIAVPQFFMEKYSYEK
 YERYSPSSNVTPSISPCYLESSSPSSILGKSQNKISHECVGDSSSSMWVYVFLGNLLRGLGETPIQPL
 GIAYLDDFASEDNAAFYIGCVQTVAIIGPIFGFLLGSLCAKLYVDIGFVNLDHITITPKDPQWVGAWWL
 YLIAGFLSLLAAVPFWCLPKTLPRSQRNSGSTSEKSFIDDPHYQMAPGDDKMKIMEMAKDFLPSLK
 TLFNRNPVYILYLCASTVQFNSLFGMVTYKPKYIEQQYQGSSSKANFVIGLINIPAVALGIFSGGIWMKKF
 RLGICEATKLYLGSSVFGYLLFLSLFALGCENSSVAGLTVSYQGLQLKM

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC078456

ORF Size: 1407 bp

OTI Disclaimer: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC078456](#), [AAH78456](#)

RefSeq Size: 2542 bp

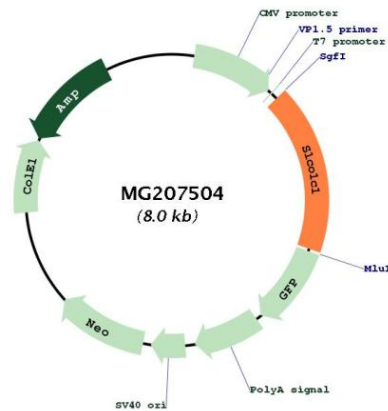
RefSeq ORF: 1409 bp

Locus ID: 58807

Cytogenetics: 6 G2

Gene Summary: Mediates the Na(+)-independent high affinity transport of organic anions such as the thyroid hormones thyroxine (T4) and rT3. Other potential substrates, such as triiodothyronine (T3), estradiol-17-beta-glucuronide, estrone-3-sulfate and sulfobromophthalein (BSP) are transported with much lower efficiency (By similarity). May play a significant role in regulating T4 flux into and out of the brain (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207504