

## Product datasheet for **MG225013**

### **Slco3a1 (NM\_001038643) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slco3a1 (NM_001038643) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slco3a1
Synonyms:	5830414C08Rik; Anr1; MJAM; OATP-D; R75096; Slc21a11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225013 representing NM\_001038643  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGGAAAGAAGCCGGGCGGCTCGTCGGGCGCGCCGGAGCGGCGAGCTGCAGGGGACGAGGCGC  
 AGAGGAACAAGAAGAAGAAAAAGAGGTGCTCTTCTCCAACATCAAGATCTTCTGGTGTCTGAGTG  
 CGCCTTGATGCTGGCGCAGGGTACGGTGGGCGCCTACCTGGTGAGCGTGTGACCACCCTGGAACGCAGG  
 TTCAACCTCCAGAGCGCCGATGTGGGTGTGATCGCCAGCAGCTTTGAGATCGGCAACCTGGCGCTGATTC  
 TCTTCGTAAGTTACTTCGGAGCACGTGGGCACCGACCGCGCCTCATCGGCTGTGGTGGAAATTGTCATGGC  
 ACTGGGCGCCCTGCTTCGGCACTGCCTGAGTTCTCACCCACCAGTACAAGTACGAGGCTGGCGAGATC  
 CGATGGGAGCAGAAGGCCGCGATGTCTGTGCCACCAATGGGTCCAGCAGTATGAGGGGCCGACCCGG  
 ACCTAATCTGCCGTAACCCGACAGCCACGAACATGATGTACTTGTGCTTATTGGGGCTCAGGTGCTCCT  
 GGGCATCGGTGCTACCCCGTGCAGCCCTGGGGTCTCCTATATTGACGACCAGTGCAGGAGAAAGGAC  
 TCCTCGCTCTACATAGGAATCCTGTTACAGATGTTGGTATTTGGACCAGCCTGTGGATTTATTCTGGGCT  
 CTTTCTGTACCAAGATCTATGTGGATGCGGTCTTCATTGACACAAGTAACCTGGACATCACTCCAGATGA  
 CCCGCGTTGGATCGGAGCCTGGTGGGCGGCTTTCTGCTCTGCGGTGCCTTGCTCTTCTCTCGTCCCTC  
 CTGATGTTTGGGTTCCCAACATCCCTGCCCCACACTCAGACCCCGCATGGAGAGTGAGCAGGCCATGC  
 TCCCAGAAAGAGAATATGAGAGGCCAAGCCAGCAATGGGGTCTGAGACCCCTCTGGAGCCAGACAG  
 CAGTGCCTCCTGTTTCCAGCAACTGAGAGTGATCCCCAAGGTACCAAGCACCTGCTCTCAAACCTGTG  
 TTCACCTGCATCGTCTGGTGTGATGGAGATTGCTGTGGTGGCTGGCTTCGCTGCCTTCTCGGCA  
 AGTACCTGGAACAGCAGTTAACCTCACCACTTCTCTGCCAACCAGTGCCTCGGATGACGGCGATCCC  
 CTGTGCCTGCCTGGGCATCTTTCTGGGTGGCCTTTTGGTGAAGAAGCTGAGCCTGTCTGCCCTGGGGGCC  
 ATTCGAATGGCCATGCTGGTCAACCTGGTGTCCACAGCCTGCTACGTCTCCTTCTCTTCTGGGCTGTG  
 ACACAGGCCCTGTGGTGGGCTCACTGTTGCTACGGAACAACCTCAGCACGTGGCTCGGCCCTTGACCC  
 TTAATCTCCGTGCAACAACAACCTGTGAATGCCAGACGGACTCCTTACGCCAGTGTGCGGGCCGATGGC  
 ATCACCTACCTGTCAGCCTGCTTCGCCGATGCAACAGCACGAACCTCACAGGCTGTGCGTGCCTCACCA  
 CTGTCCCCCTGAGAATGCCAGCGTGGTCCAGGAAAATGTCCCAGTCTGGGTGCCAAGAGGCCTTCT  
 CACCTTCTCTGTGTGATGTGTGTGTCAGCTTGATCGGGCCATGGCCAAACCCCTTCTGTCATCATC  
 CTCATCAGGACAGTCAGCCCTGAACTCAAGTCTTATGCGCTGGGAGTTCTTTTTCTGCTCCTTCGTTTGT  
 TGGGTTTCATCCCCCACCTCTCATCTTCGGGGCCGCATTGACTCCACCTGTCTGTTCTGGAGCACCTT  
 CTGCGGGGAACAAGGCGCCTGTGCTCTACGACAATGTGGTCTACAGATACCTGTACGTGAGCATCGCC  
 ATTGCGCTCAAGTCTTTGCCTTCATCCTTACACCACCAGTGGCAGTGCCTGCGGAAAACTATAAAC  
 GCTACATCAAAAACCAGAGGGCGGGCTGAGCACCAGCACAGAGTATCAAGACATTGAGACAGAGAAAAAC  
 CTGCCCTGAGTCACAGTCACCTTCAGAAGACTCCTTTGTGCGAAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG225013 representing NM\_001038643  
 Red=Cloning site Green=Tags(s)

MQGKKPGGSSGGGRSGELQGDEAQRNKKKKKVVSCFSNIKIFLVSECALMLAQGTVGAYLVSVLTTLERR  
 FNLQSAADVGVIASSFEIGNLALILFVSYFGARGHRPRLIGCGGIVMALGALLSALPEFLTHQYKEAGEI  
 RWGAEGRDVCATNGSSSDEGPDPLICRNRTATNMMYLLLIIGAQVLLGIGATPVQPLGVSVIDDHVRRKD  
 SSLYIGILFTMLVFGPACGFILGSFCTKIYVDAVFIDTSNLDITPDDPRWIGAWWGGFLLCGALLFFSSL  
 LMFGFPQSLPPHSDPGMESEQAMLPEREYERPKPSNGVLRHLEPDSSASCFQQLRVIPKVKHLLSNPV  
 FTCIVLAACMEIAVVAGFAAFLGKYLEQQFNLTSSANQLLGMTAIPCACLGIFLGGLLVKLLSLALGA  
 IRMAMLVNLVSTACYVSFLFLGCDTGPVAGTVRYGNNSARGSDLPYSPCNNCECQDTSFPTVCGADG  
 ITYLSACFAGCNSTNLTGACLTTVPENASVVPKCPSPGCQEAFLTFLCVMCVCSLIGAMAQTPSVII  
 LIRTVSPELKSIALGVLFLRLRLLGFIPPLIFGAGIDSTCLFWSTFCGEQGACVLYDNVVYRYLYVSIA  
 IALKSFAFILYTTTQCLRKNYKRYIKNHEGLSTSTEYQDIETEKTCPESEQSPSEDSFVRS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

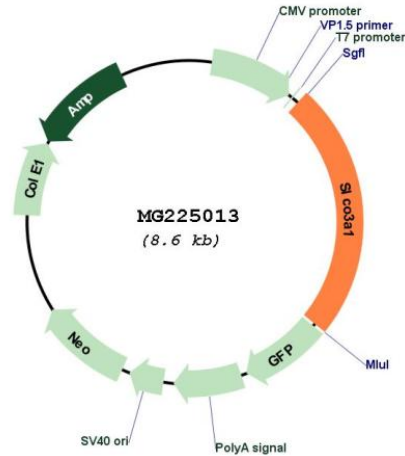
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



Plasmid Map:



**ACCN:** NM\_001038643

**ORF Size:** 2076 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.

**RefSeq:** [NM\\_001038643.1](#), [NP\\_001033732.1](#)

**RefSeq Size:** 2857 bp

RefSeq ORF: 2079 bp

Locus ID: 108116

UniProt ID: [Q8R3L5](#)

Cytogenetics: 7 D1

**Gene Summary:** Mediates the Na(+)-independent transport of organic anions. Mediates transport of prostaglandins (PG) E1 and E2, thyroxine (T4), deltorphin II, BQ-123 and vasopressin. [UniProtKB/Swiss-Prot Function]