

Product datasheet for **MR225013**

Slco3a1 (NM_001038643) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco3a1 (NM_001038643) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slco3a1
Synonyms:	5830414C08Rik; Anr1; MJAM; OATP-D; R75096; Slc21a11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR225013 representing NM_001038643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCAGGAAAGAAGCCGGGCGGCTCGTCGGGCGGCCGGAGCGGCGAGCTGCAGGGGACGAGGCGC
 AGAGGAACAAGAAGAAGAAAAAGAGGTGCTCTTCTCCAACATCAAGATCTTCTGGTGTCTGAGTG
 CGCCTTGATGCTGGCGCAGGGTACGGTGGGCGCTACCTGGTGAGCGTGTGACCACCCTGGAACGCAGG
 TTCAACCTCCAGAGCGCCGATGTGGGTGTGATCGCCAGCAGCTTTGAGATCGGCAACCTGGCGCTGATTC
 TCTTCGTAAGTTACTTCGGAGCAGTGGGCACCGACCGCCTCATCGGCTGTGGTGAATTGTCATGGC
 ACTGGGCGCCCTGCTTTCGGCACTGCCTGAGTTCTCACCCACCAGTACAAGTACGAGGCTGGCGAGATC
 CGATGGGAGCAGAAGGCCGCGATGTCTGTGCCACCAATGGGTCCAGCAGTGATGAGGGGCCGACCCGG
 ACCTAATCTGCCGAACCGGACAGCCACGAACATGATGTACTTGTGCTTATTGGGGCTCAGGTGCTCCT
 GGGCATCGGTGTACCCCGTGCAGCCCTGGGGTCTCTATATTGACGACCAGTGGCGAGAAAGGAC
 TCCTCGCTCTACATAGGAATCCTGTTACAGATGTTGGTATTTGGACCAGCTGTGGATTTATTCTGGGCT
 CTTTCTGTACCAAGATCTATGTGGATGCGGTCTTCATTGACACAAGTAACCTGGACATCACTCCAGATGA
 CCCGCGTTGGATCGGAGCCTGGTGGGCGGCTTCTGCTCTGCGGTGCCTTGCTCTTCTCTCGTCCCTC
 CTGATGTTTGGGTTCCACAATCCCTGCCCCACACTCAGACCCCGCATGGAGAGTGAGCAGGCCATGC
 TCCCAGAAAGAGAATATGAGAGGCCCAAGCCAGCAATGGGGTCTGAGACACCTCTGGAGCCAGACAG
 CAGTGCCCTCCTGTTTCCAGCAACTGAGAGTGATCCCAAGGTACCAAGCACCTGCTCTCAAACCTGTG
 TTCACCTGCATCGTCTGGCTGCTTGCATGGAGATTGCTGTGGTGGCTGGCTTCGCTGCCTTCTCTGGCA
 AGTACCTGGAACAGCAGTTTAACCTCACCACTTCTCTGCCAACCAGTGTCTGGGATGACGGCGATCCC
 CTGTGCCTGCCTGGGCATCTTCTGGGTGGCCTTTTGGTGAAGAAGCTGAGCCTGTCTGCCCTGGGGGCC
 ATTCGAATGGCCATGCTGGTCAACCTGGTGTCCACAGCCTGCTACGTCTCCTTCTCTTCTGGGCTGTG
 ACACAGGCCCTGTGGTGGGGTCACTGTTGCTACGGAACAACCTCAGCACGTGGCTCGGCCCTTGACCC
 TTACTCTCCGTGCAACAACAACCTGTGAATGCCAGACGGAATCCTTACGCCAGTGTGCGGGCCGATGGC
 ATCACCTACCTGTCAGCCTGCTTCGCCGATGCAACAGCACGAACCTCACAGGCTGTGCGTGCCTCACCA
 CTGTCCCCCTGAGAATGCCAGCGTGGTCCAGGAAAATGTCCAGTCTGGGTGCCAAGAGGCCTTCTCT
 CACCTTCTCTGTGTGATGTGTGTGTCAGCTTGATCGGGCCATGGCCAAACCCCTTCTGTGCATCATC
 CTCATCAGGACAGTCAGCCCTGAATCAAGTCTTATGCGCTGGGAGTTCTTTTCTGCTCCTTCGTTTGT
 TGGGTTTCATCCCCCACCTCTCATCTTCGGGGCCGGCATTGACTCCACCTGTCTGTTCTGGAGCACCTT
 CTGCGGGGAACAAGGCGCTGTGCTCTACGACAATGTGGTCTACAGATACCTGTACGTGAGCATCGCC
 ATTGCGCTCAAGTCCTTTGCCTTCATCTCTACACCACACGTGGCAGTGCCTGCGGAAAACTATAAAC
 GCTACATCAAAAACACGAGGGCGGGCTGAGCACCAGCACAGAGTATCAAGACATTGAGACAGAGAAAAAC
 CTGCCCTGAGTCACAGTCACCTTCAGAAGACTCCTTTGTGCGAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225013 representing NM_001038643
 Red=Cloning site Green=Tags(s)

MQGKKPGGSSGGGRSGELQGDEAQRNKKKKKVSFCFVSEKALMLAQGTGAYLVSVLTTLERR
 FNLQSAVDGVIASSFEIGNLALILFVSYFGARGHRPRLIGCGIYVMAVGALLSALPEFLTHQYKYEAGEI
 RWGAEGRDVCAITNGSSSDEGPDPLICRNRATNMYYLLIGAQVLLGIGATPVQPLGVSYIDHVRKRD
 SSYIGILFTMLVFGPACGFILGSFCTKIYVDVFDTSNLDITPDDPRWIGAWWGFFLLCGALLFFSSL
 LMFQFPQSLPPHSDPGMESEQAMLPEREYERPKPSNGVLRHPLPDSSASCFQQLRVIPKVTXLLSNPV
 FTCIVLAACMEIAVVAGFAAFLGKYLEQQFNLTSSANQLLGMTAIPCACLGIFLGGLLVKKLSLSALGA
 IRMAMLVNLVSTACYVSFLFLGCDTGPVAGTVRYGNNSARGSDPYSPCANNCECQTDSTFVPCGADG
 ITYLSACFAGCNSTNLTGACACTVPPENASVVPKCPSPGCQEAFLTFLCVMCVCSLIGAMAQTPSVII
 LIRTVSPELKSALGVFLLLRLLGFIPPLIFGAGIDSTCLFWSTFCGEQGACVLYDNVYRYLYVSIA
 IALKSFAFILYTTTWQCLRKNYKRYIKNHEGLSTSTEYQDIETKTCPEQSPSEDSFVRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001038643

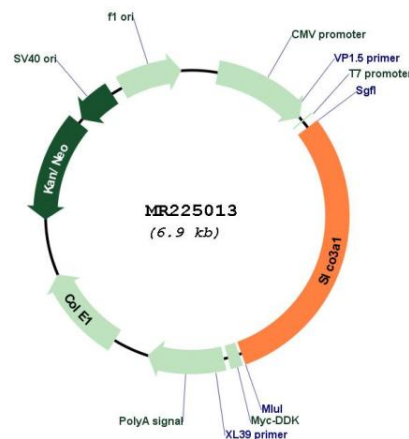
ORF Size: 2076 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001038643.1, NP_001033732.1</u>
RefSeq Size:	2857 bp
RefSeq ORF:	2079 bp
Locus ID:	108116
UniProt ID:	<u>Q8R3L5</u>
Cytogenetics:	7 D1
MW:	75 kDa
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]

Product images:



Circular map for MR225013