

Product datasheet for **RN202303**

Slco4a1 (NM_133608) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slco4a1 (NM_133608) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slco4a1
Synonyms:	OATP-E; Slc21a12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN202303 representing NM_133608

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCCTCAGCACGCAATGGGGACAAGCATTTCCTCTCCCTCCGAAGCACCTCTTTACCAGCACGTCCT
CGACCACGGATAGCGGGTGCGACACTCCACCCAGCAGCAGAGCGTCCCCAGCCTCCTGCGCTCTGCCCA
CGGCGCCCTGGGCTCCTCCAGCCAACCTCTGTTTGAGCCCCAGGTTGAGAAACGGAGCAGCCAAGCAGCC
CGTGAGGTGCAATACCTGTCTTCGGGGCCACAGAGCACGCTGTGCGGCTGGCAGTCCTTCACTCCCAAGT
GCCTGCAGGTCTTCAACACCCCAAGGGCTTCCTTCTTCTGTGTGCCGCTCCTTCTTCAGGGTAT
GACAGTGAACGGCTTTATCAATACCGTCATCACCTCCATTGAACGTCGTTTCGATCTGCACAGCTACCAG
AGCGGGCTCATTGCCAGTCCTATGACATCGCCGCTGTCTTTCGCTTACCTTCGTCAGTACTTTGGGG
GCAACGGACACAAACCGCTGGCTGGGCTGGGCTGGGCTGGCTGGCTAGGAATTGGCTCCTTGGTATTCGC
TCTGCCCATTTACGGCTGGCCGCTACGAGGTAGAGATAGACGACGAGGGGCTGGGGACCGAGACTGGG
ACGTGCCTGACTAATCAGAGCCAGGTGGAGTGTAAAGACAGGGCCTCAGGCCTGTCTAGCTACCGCTGA
TCTTCATGCTGGGCCAGCTCCTGCACGGCGTGGGTGCCACACCGCTCTACACGCTGGGTGTACGATATCT
GGATGAGAACGTCAAGTCGAGCTATTCGCCATCTATATTGCCATCTTCTACACAGCAGCCATCCTCGGA
CCTGCGGCAGGTTACCTGATTGGAGGAGCCATGCTAAATGTTTACACAGAAGTGGGCCAACGGACGGAGC
TGACCACTGACAGCCCACTGTGGGTTGGTGCTGGTGGATCGGCTTCTGGGAGCTGGAATTGCTGCGTT
CCTTATTGCCATCCCCATTCTTGGCTATCCCCGGCAGCTACCAGGCTCCAGCGCTATGTCGTTATGAGA
GCAGCCGAAACACAGCAGCTCAAAGACCACAGCCGAGACAATCCAGCTTTTGGCAAGACTGTCAGAGACC
TGCCCCCTCTCCGTCTGGATCCTTCTGAGAAACCCACATTCATCTGCTGCTGCTGGCAGGGGCCACCGA
AGCCACACTCATTGCCGCGCATGTCCACATTTGGCCCCAAGTTCTTCGAGGCCAGTTCAAGTTGAGTGCC
TCCGAGGCTGCCACCCTGTTTCGATATCTGGTGGTGCCAGCAGGCGGCGGCGGCACACTCTAGGTGGCT
TCCTGGTGAACAAGTTCAAACCTCCGTGGCTCTGGGATCATCAGGTTCTGCCTGTTCTGCACCTTGACCAG
TCTACTGGCCTTTTTGTCTTCTCATGCACTGCCCAATGTGCACATGGCAGGTGTGACAACTGGCTAT
GTTGGGAGCCTCCTGCCTAAGGGACAGCTGGACCTGAAGGCGGCTTGCAACGCCCTCTACTGTTGCCAGC
CGAGGCACTACAGCCCCCTGTGTGGCTCCGACGGCACTATGTACTACTCTCCTGCTATGCAGGCTGCCC
CGAAGGTGCTGTGACCGGCCCGGTTGGCCAGAAGGTATACCGAGGCTGTAGCTGTATCCTTGAGAAGGCT
TCCTCTGGCTGGGCAATGCTACCGCAGGGAAGTGCCTTCCACTGTGACAGCAAGCCCTCCTTCTGG
TTCTCGTGTTCGTTGTAATTATCTTTACATTCTCAGCAGCATTCCCGCGCTAACTGCTACTCTACGATG
TGCTGTGATCGGCAGAGGTCCTTTGCCCTGGGATCCAGTGGATCGTCGTTAGAACGCTAGGCAGTATC
CCAGGGCCCATTCGCTTTGGCTGGGTGATTGACAAGGCCTGCCTGCTGTGGCAAGACCAGTGTGGTCATC
AGGGCTCCTGCTTCGTGTACAAGATGAAGCCATGAGTCGGTACCTGCTCATTGCAGGACTCACTTTCAA
GGTATTAGGCTTCCTCTTCTTGTGCTGCCTACTTTCTCTACAAGTCCCTTCAGTGTCTCAGACGGC
CTGGAGGCCTCCCTGCCAGCCAGTCTCAGCCTCTGACAGCCCCACAGAACAGCTCCAGAGCAACGCTCT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_133608

Insert Size:

2172 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_133608.2, NP_598292.2</u>
RefSeq Size:	2995 bp
RefSeq ORF:	2172 bp
Locus ID:	171144
Cytogenetics:	3q43
Gene Summary:	transports 3,3',5-triiodo-L-thyronine; may play a role in thyroid hormone metabolism [RGD, Feb 2006]