

Product datasheet for **RC205738**

SLC10A4 (NM_152679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC10A4 (NM_152679) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC10A4
Synonyms:	P4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC205738 representing NM_152679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGACGGCAACGACAACGTGACCTGCTCTTCGCCCCCTGCTGCGGGACAACACACCTGGCGCCCA
 ATGCCAGCAGCCTGGGCCCGGCACGGACCTCGCCCTCGCCCTGCCTCCAGCGCCGGCCCGGCCCTGG
 GCTCAGCCTCGGGCCGGGTCCGAGCTTCGGCTTCAGCCCCGGCCCACTCCGACCCCGGAGCCACGACC
 AGCGGCCTCGCGGGCGCGCGGAGCCACGGCCCTCCCGTTCCCTCGGCCCTGGCGGCCACGCGC
 TCCCGTTCTGGGACACGCCGTGAACACGGGCTGAACGTGTTCTGTTGGCGCCGCCCTGTGCATCACCAT
 GCTGGGCTGGGTGCACGGTGGACGTGAACACTTCGGGGCGCACGTCCGTGGGCCGTGGGCGCGCTG
 CTGGCAGCGCTCTGCCAGTTCGGCTCTGCCGTGCTGGCTTCCTGCTGGCCCTCGCCTTCAAGCTGG
 ACGAGGTGGCCCGTGGCGGTCTCTGTGTGGCTGCTGTCCCGCGGCAATCTCTCAATCTTATGTC
 CCTGCTGGTTGACGGCGACATGAACCTCAGCATCATCATGACCATCTCTCCACGCTTCTGGCCCTCGTC
 TTGATGCCCTGTGCCTGTGGATCTACAGCTGGGCTTGGATCAACACCCCTATCGTGCAGTTACTACCC
 TAGGGACCGTGACCTGACTCTCTGCAGCACTCTCATACCTATCGGGTTGGGCGTCTTCATTGCTACAA
 ATACAGCCGGGTGGTGACTACATTGTGAAGTTTCCCTGTGGTCTCTGCTAGTACTCTGGTGGTCCTT
 TTCATAATGACCGGCACTATGTTAGGACCTGAACGTGCTGGCAAGTATCCCTGCAGCTGTTATGTGATAG
 CAATTTTATGCCTTTGGCAGGCTACGCTTCAGGTTATGGTTAGCTACTCTCTCCATCTTCCACCAA
 CTGCAAGAGGACTGTATGCTGGAACAGGTAGTCAGAATGTGCAGCTCTGTACAGCCATTCTAAACTG
 GCCTTTCCACCGCAATTCATAGGAAGCATGTACATGTTTCCTTTGCTGTATGCACTTTCCAGCTGCGAG
 AAGCGGGGATTTTGTTTAATCTATAAAATGTATGGAAGTGAATGTTGCACAAGCGAGATCCTCTAGA
 TGAAGATGAAGATACAGATATTTCTTATAAAAACTAAAAGAAGAGGAAATGGCAGACACTTCTATGGC
 ACAGTGAAGCAGAAAATATAATAATGATGGAACCGCTCAGACTTCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205738 representing NM_152679
 Red=Cloning site Green=Tags(s)

MDGNDNVTLLFAPLLRDNYTLAPNASSLPGTDLALAPASSAGPGPLSLGPGPSFGFSPGPTPTPEPTT
 SGLAGGAASHGSPFPRPWAPHALPFWDTPLNHGLNVFVGAALCITMLGLGCTVDVNHFGAHVRRPVGAL
 LAALCQFGLPLLAFLALAFKLDEVAAVALLCGCCPGNLSNLSLLVDGDMNLSIIMTISSTLLALV
 LMPLCLWIYSWAWINTPIVQLPLGTVTTLTCLSTLPIGLGVFIRYKYSRVADYIVKVSLSLLVTLVVL
 FIMTGTMLGPELLASIPAAVYVIAIFMPLAGYASGYLATLFLHPPNCKRTVCLETGSQNVQLCTAILKL
 AFPPQFIGSMYMFLLYALFQSAEAGIFVLIYKMYGSEMLHKRDPLDEDEDTDISYKKLKEEEMADTSYG
 TVKAENIIMMETAQTSL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

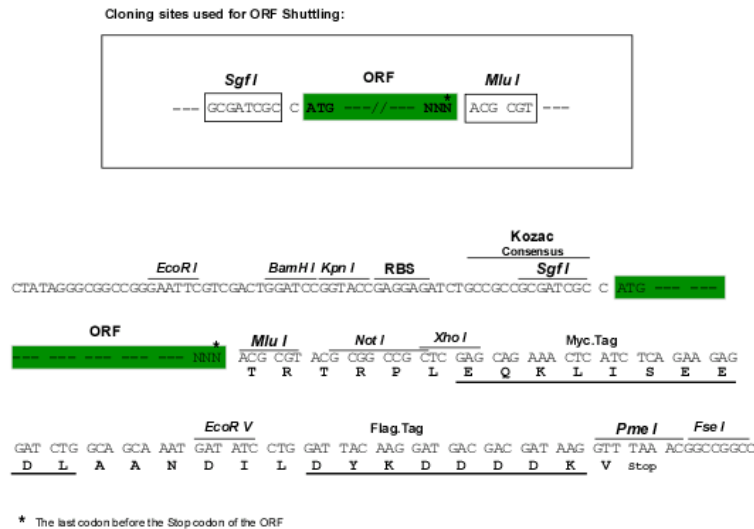
Chromatograms:

https://cdn.origene.com/chromatograms/mk8113_a09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_152679

ORF Size: 1311 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: [NM_152679.4](#)

RefSeq Size: 2118 bp

RefSeq ORF: 1314 bp

Locus ID: 201780

UniProt ID: [Q96EP9](#)

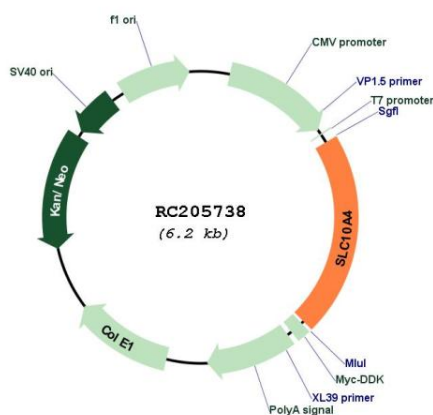
Cytogenetics: 4p11

Protein Families: Druggable Genome, Transmembrane

MW: 46.5 kDa

Gene Summary: Transporter for bile acids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205738