

Product datasheet for RR209999

Slc10a2 (NM_017222) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Slc10a2 (NM_017222) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Slc10a2
 Synonyms: ASBT; IBAT; ISBAT; ISBT
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR209999 representing NM_017222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATAACTCCTCCGTCTGTTCCCAATGCAACTTTCTGCGAAGGTGATTCTGCCTAGTAACTGAAA
 GCAACTTCAATGCCATTCTCAGCACAGTGATGAGCACCGTGCTCACCATTCTTAGCCATGGTGATGTT
 TTCTATGGGGTGAATGTGGAAATCAACAAGTTCCTAGGACACATAAAGCGGCCATGGGGCATCTTCGTG
 GGCTTCTCTGTCAGTTTGAATCATGCCTCTCACAGGATTTATCCTGTCTGTGGCCTCTGGCATCCTTC
 CTGTGCAGGCTGTGGTGGTGTCTAATTATGGGTTGCTGCCCTGGAGGAAGTGGCTCCAATATCCTGGCCTA
 TTGGATAGATGGTGACATGGACCTCAGTGTAGCATGACCACTTGTCCACACTGCTTGCTTTGGAATG
 ATGCCCTTTGCCTTTCATCTATACCAAGATGTGGGTTGACTCAGGAACGATTGTGATCCCTACGATA
 GCATTGGCATTCTCTGGTTGCGCTTGTATTCCCTGTTTCCATTGGAATGTTTGTAAATCACAAATGGCC
 CCAAAAAGCGAAGATTATACTTAAAATGGATCCATCGCAGGTGCAATTCTATTGTGCTCATAGCTGTG
 GTTGGAGGAATACTGTACCAAAGTGCCTGGATCATTGAACCCAACTATGGATTATAGGAACAATATTTCT
 ATAGCTGGCTACAGCCTTGGTTTCTCCTGGCTAGACTAGCTGGTCAACCCTGGTACAGGTGCCGAAC
 AGTTGCCTTGAAAAGTGAATGCAGAACACTCAACTGTGTTCCACCATTGTACAACCTCCTTTAGCCCT
 GAGGATCTCAACCTTGTGTTACCTTCCCACTCATCTATACTGTTTTCCAGCTCGTCTTTGCAGCAATAA
 TATTAGGAATGTATGTCACATACAAGAAATGTCATGGAAAAATGATGCTGAGTTTCTAGAGAAAAACAGA
 CAATGATATGGACCCATGCCATCATTCCAGGAGACAAAACAAGGATTTCAACCAGATGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209999 representing NM_017222
 Red=Cloning site Green=Tags(s)

MDNSSVCSPNATFCEGDSCLVTESNFNAILSTVMSTVLTILLAMVMFSMGCNVEINKFLGHIKRPWGIFV
 GFLCQFGIMPLTGFILSVASGILPVQAVVVLIMGCCPGGTGSNILAYWIDGMDLSVSMTCSTLLALGM
 MPLCLFIYTKMWVDSGTIVIPYDSIGISLVALVIPVSIGMFVNHKWPQKAKIILKIGSIAGAILIVLIAV
 VGGILYQSAWIIIEPKLWIIGTIFPIAGYSLGFFLARLAGQPWYRCRTVALETGMQNTQLCSTIVQLSFSP
 EDLNLVFTFPLIYTVFQLVFAAAILGMYVITYKKCHGKNDAEFLEKTDNDMDPMPSPQETNKGFPDEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3036_f01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_017222

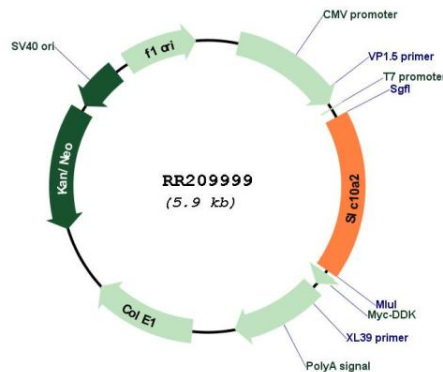
ORF Size: 1044 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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_017222.2 , NP_058918.1
RefSeq Size:	4269 bp
RefSeq ORF:	1047 bp
Locus ID:	29500
UniProt ID:	Q62633
Cytogenetics:	16q12.5
MW:	38 kDa
Gene Summary:	mediates sodium-dependent transport of bile acids; plays a role in bile acid circulation and reabsorption; facilitates cholesterol catabolism [RGD, Feb 2006]

Product images:



Circular map for RR209999