

Product datasheet for **MR220825**

Slc10a4 (NM_173403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc10a4 (NM_173403) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc10a4
Synonyms:	E130304D01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR220825 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGACAGCCTGGACAACACCACCTGCTCCTTGCCCCGTCCTCGCTGCTGCCTGACAACCTCACCTGT
 CTCCCAACGCGCGCAGCCGAGCGCCAGCACCTTTTCGCTCTCGCTGTACCTCTAGTCCCGGTCGGG
 GCTCAGCCTCGCTCCAAGTCCAAGCATCGGCTTTAGCCCCGAGGCAACCCGACTCCAGAGCCACGAGC
 AGCAGCCTCACGGTCGGCGTGGCTGGCCAGGGCTCCTCCGCTTTCCCCGGCCCTGGATCCCCACGAGC
 CCCCATTCTGGGACACGCGCTCAACCACGGGCTGAATGTGTTTGTGGCGCCGCTTGTGCATACCAT
 GCTGGGTCTAGGCTGTACCGTGGACGTGAACACTTCGGGGCGCACGTCCGGCGGCCCTGGGCGCTCTG
 CTGGCTGCGCTCTGCCAGTTCGGCTTCTTGCCGCTGCTAGCCTTCTTGCTGGCCCTCATCTCAAGCTGG
 ATGAGGTGGCCGGTGGCTGTACTCTATGTGGCTGCTGCTGGTGGAAATCTCTCAATCTCATGTC
 CCTGCTGGTAGAGGCGACATGAACCTCAGCATCATCATGACATTTCTCCACACTCTGGCCCTGGTG
 TTGATGCCCTCTGCCTCTGGATCTACAGCCGTGCCTGGATCAATACCCCTCTGGTGCAATTGCTCCCC
 TAGGGGAGTCAACCTGACTCTCTGCAGCACTCTATTCTATTGGGCTAGGCGTCTTATTCTGCTACAA
 ATACAACCGCGTGGCTGACTACATCGTGAAGTTTCCCTGTGGTCTCTGCTTGTGACCCTGGTGGTCTT
 TTCATAATGACTGGCACCATGCTGGGACCTGAAGTGTGGCAAGCATTCCCGCAACTGTTACGTGGTGC
 CCATTTTATGCCTCTGGCGGGCTACGCTCGGGTTATGGCTTAGCTACCTCTTCCACCTCCCGCCCAA
 CTGCAAGCGGACTGTGTCTGGAACAGGAAGTCAGAACGTGCAGCTCTGCACTGCGATTCTCAAAGT
 GCCTTCCCGCTCGCTTATAGGTAGCATGTACATGTTCCCTCTGCTCTACGCCCTCTTCCAGTCTGCCG
 AGGCAGGGGTCTTCGTGTTGATCTACAAATGTACGGAAGTGAAGTACTGCACAAGCGAGAGGCCCTAGA
 CGAAGACGAAGACACCGATATTTCTTATAAGAACTGAAAGAAGAGGAAATGGCAGACACCTCCTATGGC
 ACCGTGGGACGGATGACTTAGTGATGATGGAGACCACCCAGACCGCCCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220825 protein sequence
 Red=Cloning site Green=Tags(s)

MDSLDNTLLLPSSLLPDNLTLSPNAGSPSASTLSPLAVTSSPGPLSLAPSPSIGFSPEATPTPEPTS
 SSLTVGVAGQGSSAFPRPWIPHEPPFWDTPLNHGLNVFVGAALCITMLGLGCTVDVNHFGAHRVPV
 LAALCQFGFLPLLAFLALIFKLDEVAAVALLCGCCPGNLSNLSLLVDGDMNLSIIMTISSTLLALV
 LMPLCLWIYSRAWINTPLVQLPLGAVTLTLCSTLIPIGLGVFIRYKYNRVADYIVKVSLSLLVTLVVL
 FIMTGTMLGPELLASIPATVYVVAIFMPLAGYASGYLATLFLHPPNCKRTVCLETGSQNVQLCTAILKL
 AFPPRFIGSMYMFLLYALFQSAEAGVFVLIYKMYGSEILHKREALDEDEDTDISYKKLKEEEMADTSYG
 TVGTDDLVMETTQTAL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173403

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_173403.2](#), [NP_775579.2](#)

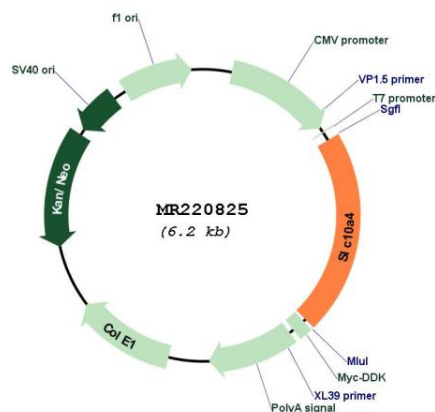
RefSeq Size: 2085 bp

RefSeq ORF: 1314 bp

Locus ID: 231290

UniProt ID: [Q3UEZ8](#)
 Cytogenetics: 5 C3.2
 MW: 46.6 kDa
 Gene Summary: Transporter for bile acids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220825