

Product datasheet for **MG220825**

Slc10a4 (NM_173403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc10a4 (NM_173403) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc10a4
Synonyms:	E130304D01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220825 representing NM_173403 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGCCTGGACAACACCACCCTGCTCCTTGCCCCGTCTCGCTGCTGCCTGACAACCTCACCTGT
CTCCCAACGCCGGCAGCCGAGCGCCAGCACCTTTGCCTCTCGCTGTACCTCTAGTCCCGGTCCGGG
GCTCAGCCTCGTCCAAGTCCAAGCATCGGCTTTAGCCCCGAGGCAACCCGACTCCAGAGCCCACGAGC
AGCAGCCTCACGGTCGGCTGGCTGGCCAGGGCTCCTCCGCTTTCCCCGGCCCTGGATCCCCACGAGC
CCCCATTCTGGGACACGCCGCTCAACCACGGGCTGAATGTGTTTGTGGGCGCCGCTTGTGCATCACCAT
GCTGGGTCTAGGCTGTACCGTGGACGTGAACCACTTCGGGGCGCACGTCCGGCGGCCGCTGGGCGCTCTG
CTGGCTGCGCTCTGCCAGTTCGGCTTCTTGCCGCTGCTAGCCTTCTTGCTGGCCCTCATCTTCAAGCTGG
ATGAGGTGGCCGCGGTGGCTGTACTCCTATGTGGCTGCTGCTGGTGGAAATCTCTCCAATCTCATGTC
CCTGCTGGTAGACGGCGACATGAACCTCAGCATCATGACCATTCTCCCACTCCTGGCCCTGGTG
TTGATGCCCTCTGCCTCTGGATCTACAGCCGTGCCTGGATCAATACCCCTCTGGTGCAATTGCTCCCC
TAGGGGACGTACCCTGACTCTCTGCAGCACTCTATTCTATTGGGCTAGGCGTCTTATTGCTACAA
ATACAACCGCGTGGCTGACTACATCGTGAAGTTTCCCTGTGGTCTCTGCTTGTGACCTGGTGGTTCTT
TTCATAATGACTGGCACCATGCTGGGACCTGAAGTCTGGCAAGCATTCCCGCACTGTTTACGTGGTCTG
CCATTTTATGCCTCTGGCGGGCTACGCCTCGGGTTATGGCTTAGCTACCCTCTCCACCTCCCGCCAA
CTGCAAGCGGACTGTGTCTGGAACAGGAAGTCAGAACGTGCAGCTCTGCACTGCGATTCTCAAAGT
GCCTTCCCGCCTCGCTTATAGGTAGCATGTACATGTTCCCTCTGCTCTACGCCCTCTCCAGTCTGCCG
AGGCAGGGGTCTTCGTGTTGATCTACAAAATGTACGGAAGTGAGATACTGCACAAGCGAGAGGCCCTAGA
CGAAGACGAAGACACCGATATTTCTTATAAGAACTGAAAGAAGAGGAAATGGCAGACACCTCTATGGC
ACCGTGGGACGGATGACTTAGTGATGATGGAGACCACCCAGACCGCCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG220825 representing NM_173403
 Red=Cloning site Green=Tags(s)

MDSLDNTLLAPSSLLPDNLTLSNAGSPSASTLSPLAVTSSPGGLSLAPSPSIGFSPEATPTPEPTS
 SSLTVGVAGQGSSAFPRPWIPHEPPFWDTPLNHGLNVFVGAALCITMLGLGCTVDVNHFGAHHRRPVGAL
 LAALCQFGFLPLLAFLALIFKLDEVAAVAVLLCGCCPGGNLSNLSLLVDGDMNLSIIMTISSTLLALV
 LMPLCLWIYSRAWINTPLVQLPLGAVTLTLCSTLIPIGLGVFIRYKYNRVADYIVKVSLSLLVTLVVL
 FIMTGTMLGPELLASIPATVYVVAIFMPLAGYASGYLATLFLHLPNCKRTVCLETGSQNVQLCTAILKL
 AFPPRFISMYMFPLLYALFQSAEAGVFVLIYKMYGSEILHKREALDEDEDTDISYKKLKEEEMADTSYG
 TVGTDDLVMETTQTAL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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

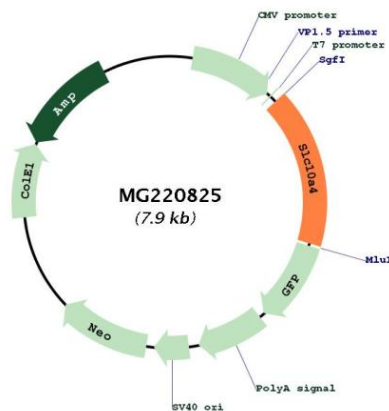
Locus ID: 231290

UniProt ID: [Q3UEZ8](#)

Cytogenetics: 5 C3.2

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

Product images:



Circular map for MG220825