

Product datasheet for **MC219077**

Slc22a21 (NM_019723) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Slc22a21 (NM_019723) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Slc22a21 |
| Synonyms: | Octn3; Slc22a9 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC219077 representing NM_019723
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGACTACGACGAGGTGACCGCCTTCTGGGCGAGTGGGGACCTCCAGCGCCTCATCTTCTTCC
 TGCTCAGCGCCAGCATCATCCCAATGGCTTTACTGGTTGTGAGCCGTGTTCTGACGGCGATCCCGGA
 GCACCGTTGCCGATACCAGACACCGTGAACCTGAGCAGCGCGTGGCGCAACCACAGTATCCCGATGGAG
 ACGAAGGACGGACCAGAGGTGCCTCAGAAATGCCGCCGCTACCGACTGGCCACCATCGCCAACTTCTCTG
 AGCTAGGGCTGGAGCCGGGACGGGACGTGGACCTGGAGCAGCTGGAGCAGGAGAAGTGCCTGGATGGCTG
 GGAGTACGACAAGGACATCTTCTGTCCACCATCGTGACAGAGTGGGACCTGGTGTGAAGGATGACTGG
 AAAGCCCCACTCACACCTCCTTCTTTACGTGGGTGTGCTCTTAGGCTCCTTCATTTCCGGACAGCTCT
 CAGACAGGTTTGGTCGAAAGTATCTTGTCTTTGACCATGGCCATGCACACCGGATTACGCTTCATACA
 AGTCTTCTGTGAAGTTCGAGATGTTACTCTGTCTATACCCTGTTGGAATGGGACATATATCCAAC
 TACGTGGCAGCATTTGTCTGGGAACAGAAATGCTTTCCAAGTCAGTTAGAATTATTCGCCACCTTAG
 GAGTTTGCATATTTTTGCGTTTTGGCTTCATGGTGTGCTGCCTCTGTTTGCATACTTCATCAGAGAGTGGAG
 GAGGCTGTGCTGGCAATTACTTTACCAGGCGTGTGTGGGGCTCTCTGGTGGTTTCATCCCTGAGTCC
 CCACGATGGCTCATCTCTCAAGGCCAATTAAGAGGCAGAGGTGATCATCCGAAAGCTGCCAAAATCA
 ATGGGATTGTTGCACCTTCCACTATCTTCGATCCAAGCGAGACCAATAAATTACAAGACGATAGTTCCAA
 GAAGCCCCAGTCGACCACATTTATGATCTGGTCCGAACCAATAATCAGGATCCTCACCATCATGTCT
 ATAATCCTGTGGCTGACCATATCAGTGGGCTATTTGGACTATCTTTGACACTCCTAAGTGAATGGGA
 ACATCTATGTGAAGTCTTCTACTGGCGGCTGTTGAAGTCCCAGCCTATGTGCTGGCCTGGCTGTTGTT
 GCAGCATGTGCCCGCGTTATTCTATGGCTGGTTCCTCTTCCGGTGGCAGTGTCTTCTCTTAGTA
 CAACTGGTGCCTCAGACCTACATTACTTGTCTACTACCCTGGTGTGATGGTGGGGAAGTTTGAATCACCT
 CTGCCTACTCCATGGTCTATGTGTACACAGCTGAGCTGTACCCCACTGTGGTCAGAAACATGGGTGTGGG
 GGTGAGCTCCACAGCATCCCGCCTTGGCAGCATCTGTCTCCCTACTTTGTTTATCTAGGTGCCTATGAC
 CGCCGCCTACCTTATATCCTCATGGGAAGTCTAACCATCTGACAGCTATCATCACTTTATTCTTCCAG
 AGAGTTCTGGGTTTCTCTCCAGAAACCATTGACGAGATGCAAAAAGTCAAAAACTAAAACAAAGGCA
 ATCCCTAAGCAAGAAAGGTCCCGAAGGAGTCTAAAGGAAATGTATCCCGAACCTCCCGAACCTCCGAA
 CCTAAAGGCTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019723
- Insert Size:** 1695 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: [NM_019723.2](#), [NP_062697.1](#)

RefSeq Size: 2297 bp

RefSeq ORF: 1695 bp

Locus ID: 56517

UniProt ID: [Q9WTN6](#)

Cytogenetics: 11 B1.3

Gene Summary: Sodium-ion independent, medium affinity carnitine transporter. Also transports organic cations such as tetraethylammonium (TEA) without the involvement of sodium. Relative uptake activity ratio of carnitine to TEA is 746.[UniProtKB/Swiss-Prot Function]