

Product datasheet for **RN214956**

Slc16a1 (NM_012716) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a1 (NM_012716) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc16a1
Synonyms:	MCT1; RATMCT1; RNMCT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214956 representing NM_012716
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACCTGCGATTGGCGGGCCAGTGGGGTACACCCCCAGATGGAGGCTGGGGCTGGCGGTGGTAG
 TTGGAGCCTTCATTTCTATTGGCTTCTCCTATGCATTTCCAAATCCATCACTGTCTTTAAAGAGAT
 TGAAATTATATTCAGTGAACGACCAGTGAAGTGTGATGATATCGTCCATCATGCTGGCTGTCATGAT
 GCCGGAGGTCCTATCAGCAGTATCTTGGTGAATAAATATGGCAGCCGTCAGTAATGATTGCTGGTGGCT
 GCCTGTCTGGCTGGCTTGATTGCAGCTTCTTTCTGTAACACGGTGCAGGAACCTTACTTCTGCATTGG
 TGTCATTGGAGGCTTGGGCTTGGCTTCAACTGAACCCAGCTCTGACTATGATTGGCAAGTATTTCTAC
 AAGAAGCGACCATTGGCCAATGGCTGGCTATGGCAGGCAGCCAGTGTCTCTCTACCCTGGCTCCAC
 TTAATCAGGCTTTCTTTGGTATTTTGGCTGGAGAGGAAGCTTCTAATCTTGGGGCCCTCTCTCAA
 CTGTTGTGTAGCTGGATCCCTGATGCGACCAATAGGGCCTCAGCAAGGCAAGGTGAAAAACTCAAGTCC
 AAAGAGTCTCTCCAGGAAGCTGGGAAGTCTGATGCAAATACAGATCTCATTGGAGGAAGTCCCAAAGGAG
 AAAAGCTGTCAGTCTTCCAAACAGTTAATAAATCCTGGACTTGTCCCTGTTTACCATAGAGGCTTTTT
 GCTGTACCTGTCTGGAATGTGGTCATGTTCTTTGGGCTCTTTACCCCTTTGGTCTTTCTTAGTAATTAT
 GGTAAGAGTAAGCATTTTTCCAGTGAGAAGTCAGCCTTCTCCTTTCCATTTTGGCTTTTGTGATATGG
 TGGCCAGACCGTCCATGGGTCTTGCAGCCAACACCAGTGGATCAGACCTCGAGTCCAGTACTTTTTTGC
 TGCTTCTGTTGTTGCGAATGGAGTGTGCCATTTGCTGGCACCTTGTCTACGACCTATGTTGGGTCTGC
 ATCTACGCGGGAGTCTTTGGATTTGCCTTTGGTTGGCTCAGCTCCGATTTGTTGAGACGTTGATGGACC
 TCGTTGGACCCAGAGGTTCTCCAGTGTGGGCTTGGTGACCATTGTGGAATGTTGCTCTCTCTCTCT
 GGGACCACCACTTTTAGGCCGCCTCAATGACATGTATGGAGACTACAAATACACATACTGGGCTTGTGGC
 GTGATCCTCATCATCGCAGGCCTCTACCTTCTATTGGTATGGGCATCAATTATCGACTGTGGCCAAAG
 AACAGAAAGCGGAGGAAAAGAAGAGGGACGGTAAAGAGGACGAGACCAGCACTGATGTTGATGAGAAGCC
 CAAGAAGACAATGAAAGAAACACAGTCGCCAGCGCCACTGCAGAACAGCTCTGGAGACCCCGGAGGAG
 GAGAGCCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_012716
- Insert Size:** 1485 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_012716.2](#), [NP_036848.1](#)

RefSeq Size: 2517 bp

RefSeq ORF: 1485 bp

Locus ID: 25027

UniProt ID: [P53987](#)

Cytogenetics: 2q34

Gene Summary: transports lactic acid and other monocarboxylic acids [RGD, Feb 2006]