

## Product datasheet for **RN210864**

### Slc27a1 (NM\_053580) Rat Untagged Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                    |
| Product Name:      | Slc27a1 (NM_053580) Rat Untagged Clone |
| Tag:               | Tag Free                               |
| Symbol:            | Slc27a1                                |
| Synonyms:          | FATP                                   |
| Vector:            | pCMV6-Entry (PS100001)                 |
| E. coli Selection: | Kanamycin (25 ug/mL)                   |
| Cell Selection:    | Neomycin                               |



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**Fully Sequenced ORF:** >RN210864 representing NM\_053580  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGACTCCGGGAGCAGGAACAGCCTCTGTGGCCTCATTGGGGCTGCTTTGGCTTCTGGGACTTCCGT  
 GGACCTGGAGCGCGCGCGCGCTTCGGTGTGTACGTGGGTAGCGGTGGCTGGCGCTTCTGCGTATCGT  
 CTGCAAGACGGCGAGGCGAGACCTCTTTGGCCTCTCTGTTCTGATCCGCTGCGGCTAGAGCTACGACGA  
 CACCGGCGAGCAGGAGACACGATCCACGCATCTTCCAGGCCGTGGCCAGCGACAGCCGGAGCGCTGG  
 CGCTGGTAGATGCGAGTAGCGGTATCTGCTGGACCTTCGCACAGCTAGACACCTACTCCAATGCTGTGGC  
 CAATCTGTTCTCCAGCTGGGCTTTGCGCCAGGCGATGTGGTGGCTGTGTTCTGGAAGGCCGCGCCGAG  
 TTCGTTGGGACTGTGGCTGGCCAGGCCGTTAGTGGCTGCGCTTCTCAATGTCAACCTGAGGC  
 GGGAGCCCCTTGCTTCTGCTTGGGCACATCAGCTGCCAAGGCCCTCATTTATGGCGGGGAGATGGCAGC  
 GCGGTGGCGGAGGTGAGTGAGCAGCTGGGGAAGAGCCTGCTCAAGTTCTGCTCTGGAGACTGGGGCCT  
 GAGAGCGTCTGCTGACACGCAGCTTCTGGACCCATGCTTGTGAGGGGCCACCACACCCCTGGCAC  
 AGGCCCAAGGCAAGGGCATGGATGATCGCTATTTTACATCTATACTTCTGGGACCACCGGACTTCTAA  
 GGCGGCCATTGTGGTGCACAGCAGGTAACCGCATTGCAGCCTTCGGCCACCATTCTACAGCATGCGG  
 GCCAACGATGTGCTCTATGACTGCCTACCTCTCTACCACTCAGCAGGGAACATCATGGGCGTGGGACAGT  
 GTATCATCTACGGTTAACGGTGGTACTGCGCAAGAAGTTCTCCGCCAGCCGCTTCTGGGACGACTGTGT  
 CAAATAAATGACCGGTAGTGCAGTACATCGGTAAAATATGCCGCTACCTGCTAAGGCAGCCGTTTCGC  
 GATGTAGAGCGCGGCACCACGTGCGCCTGGCCGTGGTAACGGACTGCGGCCAGCCATCTGGGAGGAGT  
 TCACGCAGCGTTTCGGTGTGCGACAGATTGGCGAGTTCTACGGCGCCACCGAGTGAACCTGCAGCATTGC  
 CAACATGGACGGCAAGGTCGGCTCCTGCGGCTTCAACAGCCGTATCCTCACGCATGTGTACCCCATCCGT  
 CTGGTCAAGGTCAACGAGGACACGATGGAGCCACTGAGGGACTCCAAGGCCCTCTGCATCCCGTGGCAGC  
 CCGGGAACTGGCCTTCTCGTGGGCCAGATCAACCAGCAAGACCCTCTGCGGCGCTTCGATGGCTATGT  
 TAGTGACAGCGCCACCAACAAGAAGATTGCCACAGCGTGTTCGAAAGGGGGACAGCGCTACCTTTCA  
 GGTGACGTGCTAGTGTGGACGAGCTGGGTACATGTACTTCCGTGACCGCAGCGGGGATACCTCCGAT  
 GGCGCGGCGAGAACGATCCACCACGGAGGTGGAAGCCGTGCTGAGCCGCTGTTGGGCCAGACGGACGT  
 GGCTGTGTATGGAGTGGCTGTGCCAGGAGTGGAGGGGAAAGCCGGCATGGCGGCCATTGCAGACCCCATCT  
 AACCAGCTGGACCCTAATCAATGTACCAGGAATTGCAGAAGGTTCTTGCATCCTATGCCAGCCCATCT  
 TCTGCGTCTTCTGCCCAAGTGGATAACAAGGCACCTTCAAGATCCAGAAGACCCGGCTACAGGGTGA  
 AGGCTTTGACCCCGCCAGACCTCAGACCGGCTCTTTCTTAGACCTGAAACAGGGACGCTACCTACCC  
 CTGGATGAGAGAGTCCATGCCCGCATCTGCGCAGGCGACTTCTCACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053580
- Insert Size:** 1941 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\\_053580.2](#), [NP\\_446032.2](#)

**RefSeq Size:** 3210 bp

**RefSeq ORF:** 1941 bp

**Locus ID:** 94172

**Cytogenetics:** 16p14

**Gene Summary:** involved in myocardial fatty acid uptake [RGD, Feb 2006]