

## Product datasheet for **RN210422**

### **Slc27a2 (NM\_031736) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc27a2 (NM_031736) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc27a2
Synonyms:	MGC93337
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210422 representing NM\_031736  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCCTGTGCTCTACACCGCCTGGCGGGGCTGCTGTGCTGCCTCTGCTGCTCACCTGCTGCTGCC  
 CCTACCTCCTCCAGGACGTGCGGTTCTTCTGCAACTGGCCAACATGGCCCGCAGGTGCGCAGCTACCG  
 GCAGCGCGACCCGTCGCCACCATCCTGCATGTCTTCTGGAGCAAGCGCGCAAGACCCCGCACAAAGCC  
 TTCCTGTGTTTTCGGACGAGACGCTTACCTACGCCAGGTAGACCGCGCAGCAACCAAGTAGCGCGAG  
 CGCTGCATGATCACCTGGGCTGCGGCAGGGGATTGCGTGGCCCTTTCATGGGCAATGAGCCGGCCTA  
 CGTGTGGCTCTGGCTGGGACTGCTCAAAGTGGGCTGTCCCATGGCGTGCCTCAACTACAACATCCGTGCC  
 AAGTCTCTGCTACACTGCTTTCAGTGTGCGGGGCGAAGGTGCTGCTGGCCTCCCAGAGCTACACGAAG  
 CTGTGAGGAGGTTCTTCAACCCTGAAAAGGAGGGCGTGTCCGTCTTCTACGTAAGCAGAAGTCTTAA  
 CACTAATGGCGTGGACACAGTACTGGACAAAGTAGACGGGTGTGGCGGACCCATCCCGAGTCTGG  
 AGGTCTGAAGTACGTTACCACACCCGAGTCTACATATACTTCGGGACCACAGGTCTTCAAAGG  
 CTGCAACCATAATCACCATCGCCTCTGGTATGGGACCAGCCTTGCCCTGAGGTCCGGAATTAAGGCTCA  
 TGACGTCTACACCACCATGCCCTGTACCACAGCGCGGCGCTCATGATTGGCCTCCACGGATGCATT  
 GTGGTTGGGGCTACATTTGCTTTGCGGAGCAAATTTTCAGCCAGCCAGTTTTGGGACGACTGCAGGAAAT  
 ACAACGCCACTGTCAATCAGTACATCGGTGAAGTCTTCGGTACCTCTGCAACACGCCCCAGAAACAAA  
 TGACCGGGACCAAAAGTAAAAAGTACTAGGAAATGGCTTACGAGGAGATGTGTGGAGAGAGTTCATC  
 AAGAGATTTGGGACATTCACATTTATGAGTCTACGCTTCCACTGAAGGCAACATTGGATTTATGAAGT  
 ATCCAAGAAAAATCGGAGCTGTTGGAAGAGAAAAATACCTACAAAAAAAGTTGTAAAGCAGAGCTGAT  
 CAAGTATGACGTGGAGAAGGATGAGCCTGTCCGTGATGCAAAATGGATATTGCATCAAAGTCCCAAGGA  
 GAGGTTGGACTCTTGATTTGCAAAATCACAGAGCTCACACCATTTTTTGGCTATGCTGGAGGAAAGACCC  
 AGACAGAGAAGAAAAAGCTCAGAGATGTTTTAAGAAAGGAGACGCTACTTCAACAGTGGCGATCTCCT  
 GATGATCGACCGTAAAAATTTCTATTTTTACGACAGAGTTGGAGACACCTTCCGGTGGAAAGGAGAG  
 AATGTAGTACCACGGAAGTCTGACATTGTGGGACTGGTAGATTTTGTGAAGAAGTGAATGTTTACG  
 GTGTGCCCGTCCAGGTCATGAAGTTCGCATCGGGATGGCCTCGATCAAGATGAAAGAAAACACGAGTT  
 CAATGAAAGAAACTCTTTCAGCACATCTCGGAGTACCTGCCAGTACTCGAGGCTCGGTTCTGAGA  
 ATACAAGATACCATTGAGATCACCGGACTTTTAAACACCGCAAAGTACCCTGATGGAAGAGGGCTTTA  
 ACCCCTCAGTCATCAAAGATACCTGTATTTTCATGGATGACACAGAAAAACATACGTGCCCATGACTGA  
 GGACATTTATAATGCCATAATTGATAAGACTCTGAAGCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_031736
- Insert Size:** 1863 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\\_031736.1](#), [NP\\_113924.1](#)

**RefSeq Size:** 2963 bp

**RefSeq ORF:** 1863 bp

**Locus ID:** 65192

**UniProt ID:** [P97524](#)

**Cytogenetics:** 3q36

**Gene Summary:** has very long-chain acyl-CoA synthetase activity; may play a role in fatty acid metabolism [RGD, Feb 2006]