

## Product datasheet for **RN204970**

### **Sqle (NM\_017136) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sqle (NM_017136) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sqle
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204970 representing NM\_017136  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGGACTTTTCTTGAATTGCTACTTTCACCTATTTTTATAAGAAATGCGGGGATGTCACCCTGGCCA  
 ACAAGGAGCTCCTGCTGTGCGTACTGGTTCCTGTGCGCTGGGCCTGGTCTCTCTACCGCTGTGCCA  
 TCGAAACGGGGCCTCCTTGGCCGCCATCAGAGCGGCTCCAGTTTCGCTGCCTTCTCAGATATTCTCTCT  
 GCTTTGCCTCTTATTGGCTTCTTCTGGGCCAAATCACCCCTGAATCAGAAAAGAAAGAACAGCTGGAGT  
 CCAAGAGGCGCAGAAAAGAAGTCAATCTGTGAGAGACGACGTTAACGGGAGCAGCTACCTCAGTATCGAC  
 ATCATCTGTGACGGACCCAGAAGTATCATCATAGGGTCTGGTACTTGGCTCTGCTTTGGCAACAGTA  
 CTCTCTAGAGATGGAAGAACGGTGACAGTAATCGAGAGAGATTTAAAAGAGCCTGACAGAATACTGGAG  
 AGTGTCTGCAGCCGGTGGCTATCGAGTCTTCGAGAGCTGGGCCTTGGAGATACAGTAGAAAGTCTTAA  
 TGCCCATCATATACACGGCTACGTAATTCATGACTGTGAAAGCAGGTCTGAAGTTCAAATCCATACCCG  
 GTGTCAGAAAACAACCAAGTACAGAGTGGGGTTGCTTCCACCATGGCAAGTTTCATCATGAGTCTCCGGA  
 AAGCAGCTATGGCAGAGCCCAATGTAAAGTTTATAGAAGGTGTTGTGCTTCGGTACTAGAGGAAGATGA  
 TGCTGTGATTGGTGTGCAATACAAGGACAAGGAGACTGGGGACACCAAGGAGCTCCATGCCCCGCTCACT  
 GTTGTGGCCGACGGGCTCTTCTCCAAGTTCAGGAAGAACCTCATCTCCAATAAAGTCTCTGTTTCTCC  
 ACTTCGTTGGCTTCATTATGAAGGATGCACCACAGTTTAAAGCCAATTCGCGGAGCTTGTCTGGTCGA  
 TCCCAGTCCAGTTCATCTACAGATTTACCCAGCGAAACTAGGGTGTGTCGATATTCGAGGAGAA  
 TTGCCAAGAACTTAAGAGAATACATGACAGAACAAATTTACCCACAGATACCTGATCACTTGAAGGAAT  
 CATTTCGGAGGCTGTGAGAATGCTCGTCTGCGGACCATGCCAGCAAGCTTCTTCTCCTTCTCCTCAGT  
 GAACAAACGAGGCTCCTACTTCTGGGAGATGCGTATAACCTGAGGCATCCTCTTACTGGTGGAGGAATG  
 ACAGTCGCTTTAAAAGATATAAAAATATGGAGACAACGTAAAAGATATTCTGACCTTTATGATGATG  
 CCGCTATTTTCCAGGCCAAAAAGTCACTTTTGGTCAAGAAAAAGGAGCCATTCTTTGTTGTGAACGT  
 GCTGGCTCAGGCTTGTATGAACTATTTCTGCTACAGATGATTCCTTGCCTCAGCTCCGAAAAGCTTGC  
 TTTCTTTATTTAACTTGGTGGAGAATGTTGACTGGTCTGTTGGGTTGCTTCTATATTGTCTCCTG  
 ACCCTCTCTATTGATTCGACACTTCTTCTCCGTTGCAGTCTATGCCACGATTTCTGCTCAAGTCAGA  
 GCCATGGGCTACAAAACCTCGGGCTCTTTTCAGTAGTGGTGTACTGTACAAAGCGTGCTCTATAATA  
 TTTCTCTCATCTATTAGAAAATGAAGTATCTGGTT**CAC**TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_017136
- Insert Size:** 1722 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\\_017136.2](#), [NP\\_058832.1](#)

**RefSeq Size:** 2085 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 29230

**UniProt ID:** [P52020](#)

**Cytogenetics:** 7q33

**Gene Summary:** enzyme that catalyzes sterol biosynthesis; may be the rare-limiting step in sterol biosynthesis pathway [RGD, Feb 2006]