

## Product datasheet for **MC202679**

### **Sqlc (NM\_009270) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sqlc (NM_009270) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sqlc
Synonyms:	A1323792
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC056361 sequence for NM\_009270  
 GCGAGCGGGGCGCGCAGCGGTTACTCTGGTTACTGTCCGCGAGGGATGCTGGGGACCCGGCGGGCAGGAG  
 CCTTCGCCTCGCTCTGAAGGACGCTCATCCGAGACAGCCATTCACCTCTCGAGGAAGGCAAGTGTCCGGTCCG  
 GACAGGTTCCCGGCCGTGACTTCGGGGCTTGTGAGGAGGAATCTCAAGGGAGGGCTGAGCTGCCAGG  
 CTGCCGCCGCGCTTCGGGACGCCGTGGCCATCTTTTGTGGAGAAGGCTGCCGGGCAGTGTGCTAAGG  
 GCAGCTTTCCAGCACCCAGATCCTTCTACGCTCCGACTCCTTCTACCAGCACCTGCTGCTGGTGAC  
 AAAAGACCGTTTACAGCCAGGCGAGCATCGAAGTATACAGCCACATTCCGACCCCTCAGCCCAATA  
 GAGAGGCCCGTGTCCATCAGTTGGCTGAATGAAGAAGTGTGAATCAGGAGCCGTTGGGGTAGGCAGGCT  
 TTAATGCTGCCTTTAAGATCTGGACAACCTAAGATACATTTGCACTCTCAATGATTTCAAAAATTGAT  
 CACATCTGACTCGTGATCCTGAAACTATTTATTGGAAGAAGTTCGACCGTTGCCCGAACCCCTTTGAG  
 AACTACATTTTGGGGACATTTTAACTCACTGAAGACCTTCCGAGGAAAAAGACCCCCCAAGAGACCCCC  
 AAAACACAAAATCCTCAGCCTTGGCTGGTCCACCAAAGAAGCCTTTTGGCCATGTGGACTTTTCTTGG  
 CATTGCTACCTTACCTATTTTTATAAGAAATGCGGGGATGTCACCCTGGCCAACAAGGAGCTCCTGCTG  
 TCGTGTGGTGTCTCTGCTGGCCTGGTGTCTCCTACCCTGTCGCCATCGACACGGGGCCTCC  
 TTGGCCGCCATCAGAGCGCGCCAGTTGCTGCCTTCTCGGATATTCTCTCTGCTTTGCTCTTATTGG  
 CTCTTCTGGGCCAAGTCACTGAATCAGAAAAGAAAGAACAGCTGGAGTCCAAGAGTGCAGAAAAGAA  
 ATCGGTCTTTAGAAAACGACATTAACAGGAGCAGCTACCTCAGTGTGACCTCGTTCGTGACGGACCCGG  
 AAGTGATCATCGTGGGATCTGGTGTGCTTGGATCTGCCTTGGCAGCAGTCTCTCCAGAGATGGAAGAAA  
 GGTGACGGTCAATCGAGAGAGATTTAAAAGAGCCCGACAGGATAGTTGGGGAGCTGCTGCAGCCAGGAGGC  
 TACCGTGTCTCCAGGAGCTGGGCCTTGGAGATACAGTAGAAGGTCTCAATGCCCATCATATACATGGCT  
 ACATAGTTCATGACTATGAAAGCAGATCTGAAGTTCAAATTCCTACCCACTGTCAGAAAACCAACCAAGT  
 GCAGAGTGAATTGCTTTTACCATGGCCGATTCATCATGAGTCTCCGAAAAGCAGCTATGGCAGAGCCC  
 AATGATAAGTTTATAGAAGGTGTTGTGCTCAGTTACTAGAGGAAGATGATGCTGTAATCGGCGTGAAT  
 ACAAGGACAAGGAGACTGGGGACACCAAGGAGCTCCACGCCCCGCTCACCGTTGTTGCGGATGGACTCTT  
 CTCCAAGTTCAGGAAGAGCCTCATCTCCAGTAAAGTCTCCGTTTCTTCCACTTCGTTGGCTTCTTATG  
 AAGGATGCACCACAGTTTAAACCAATTTTGGGAGCTTGTCTGGTCAACCCAGTCCAGTTCTCATCT  
 ACCAGATTTCTTCCAGTGAACACTAGGGTACTTGTGATATTGGGGAGAAATTGCCAAGAAACCTAAGAGA  
 ATACATGGCTGAACAAATTTACCACAGTTACCTGAGCACCTGAAGGAGTCAATTTCTGGAGGCTCTCAG  
 AATGGTCGTCTGCGGACCATGCCGGCCAGCTTCTTCTCCTCCTCAGTGAACAAACGAGGCGTCTTA  
 TTCTGGGAGATGCGTATAACCTGAGGCACCTTACTGGTGGAGGAATGACAGTTGCTTTAAAAGATAT  
 AAAATTGTGGAGACAACGTAAAAGACATTCTGACCTTTATGATGATGCTGCTATTTTCCAGGCCAAA  
 AAATCATTCTTTTGGTCAAGAAAAGGACCCATTCCTTTGTTGTGAATGTATTGGCTCAGGCCTTGTATG  
 AATTATTTTACAGTACAGATGATTCCTTGCATCAGCTCCGAAAAGCTTGCTTTCTGTATTTAAACTTGG  
 TGGAGAGTGTGTGACCGTCTGTTGGGTTGCTTTCAATATTGTCTCCTCACCTCTGGTGTGATTTCGA  
 CACTTCTTTTCCGTTGCAATCTACGCCAGTATTTCTGCTTCAAATCAGAGCCGTGGGCGACAAAACCAC  
 GGGCCCTTTTTCAGTAGCGGTGCTGTACTGTACAAAAGCGTGTCTATCCTATTTCCACTCATCTATTGAGA  
 AATGAAGTATCTGGTTCATTGAAAGGGAGTCCACGTGCAGTCAAGTCCCTTGGGGCTTGAAGAGGATGTA  
 TATAGCATAGAAGTGTGCACTTCCACAGTGGACTTGAGGACCAAGCTTGTGATAAGCATGTAATATA  
 AGCCTTACTTTACAGTTGAAAATGAAGGTCAGAGAAGCTAGATGTTTAAAAGGATGATTGTTTCTACAAA  
 TCAGTGCTAACACTCAAGTTTTTCTTTTGAATTCAGTATTTGGGGTGAATGATTGGGACAAGCCAATAAA  
 ATGAAGAGTGAACCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_009270  
**Insert Size:** 1719 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC056361</a></u> , <u><a href="#">AAH56361</a></u>
<b>RefSeq Size:</b>	2779 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	20775
<b>UniProt ID:</b>	<u><a href="#">P52019</a></u>
<b>Cytogenetics:</b>	15 D1
<b>Gene Summary:</b>	Catalyzes the stereospecific oxidation of squalene to (S)-2,3-epoxysqualene, and is considered to be a rate-limiting enzyme in steroid biosynthesis.[UniProtKB/Swiss-Prot Function]