

## Product datasheet for **MC201986**

### Sc5d (NM\_172769) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sc5d (NM\_172769) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sc5d  
**Synonyms:** A830037K02; A830073K23Rik; Sc5dl  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC024132 sequence for NM\_172769  
 CCCACGCGTCCGGCCGCGCTGACGGAGCTGCTGGGCCTGGCAGGTTCACTCCTCGCCCTTATCTGATGG  
 TAGATCCTGCCTCCAAGTGACAGACACAACCACTGTTTATTGGGTACATACCAGGGGCTGCGATGGACC  
 TGGTTCTCAGTGCCGCCGATTACTACTTCTTCACTCCGATGTATATCCAGCCACGTGGCCTGAGGACAA  
 CATCATCCGACAACTATTAGCCTCCTGATTGTACAAACCTGGGTGCTTACATTCTACTTCTTCTGT  
 GCAACCCTCAGCTATTATTTGTCTATGATCATTCTTAATGAAACACCCACAGTTTTTAAAGAACCAAG  
 TCTCGCGTGAGATCGTGTCACTGTCAAGTCTTTGCCTGGATCAGCATCCCCACCGTCTCACTATTCTC  
 GCTGGAGCTGAGGGTTACAGCAAACCTACGATGACATCGGAGACTTTCCAAATGGCTGGATTCATCTC  
 ATGTTAGCGTCGTATCCTTCTCTTTTACAGACATGTTGATCTACTGGATTCATAGGGGCTGCACC  
 ACAGACTGGTCTACAAGCGCATAACATAAACCACATCATATTTGGAAGATCCCCACGCCGTTTGAAGTCA  
 TGCTTTTACCCTGTGGACGGCTTCCTCAGAGTCTGCCTTACCATATATACCCCTTTGTCTTTCCACTG  
 CACAAGGTGGTCTACTTAGGTTTATATGTCTTGGTTAATGTCTGGACAATTTCTATTCATGATGGTGATT  
 TTCGGGTTCCCCAGATCTTAAGGCCATTTATTAACGGGTGAGCTCACCACACAGACCACCATGTTCTT  
 TGACTATAAATATGGACAGTATTTACATTGTGGGATAGAATTGGAGGCTCTTTTAAACATCCTTCTCT  
 TTTGAAGGAAAGGACCACATAGTTACGTGAAGAACATGACAGAAAAAGAATCTAACAGCTTTGCAGAAA  
 ACGGCTGTAAAGGCAAAAAAGTAAGCAATGGAGAGTTTACAAAGAATAAGTAGATTATTGCCAATTATT  
 AACTATTTAAATAAGAAAAATACTACACAGTCAAGTACCTAGCAAAATAAGTGGTGCCATTGGAATGT  
 CAGCATTGCTTGAGTGTATGCTGAGGGATGGTCTGACAGTAAACAGCGGGAAGACACCAGGAGCATTG  
 TAATCGCTTGGTTAATTGTCCGACATTGGTCCAGGAACAACCTGTCTTTTTCAGCCGGCTGACCTGCAGCC  
 TGTACAGCTCTGAAGCATCTTTAAATACGATAGAAAAAAGTACTCAAGAAGCTGGTCTGTGTCCTTTT  
 GCCTTAGTCCATGCATACTCATTAAAGGAAAAAAGTACCATTGTGCTAAACGCTACTGAGACTAACCAGG  
 AAACCCTAAAGATGAAGATGTTCTGTCCCGGAGCGGCTGGCTCCACCGCAGTGTGGGGAGTTGCAGG  
 ACTTCATTCAAATAGGAATATCAGTCCAAGCAGGCTGATACGTGAGTGGCAGTGGATAGGATTTGCTTAA  
 TGGCTGATGTAATAAGATTGTACTTCTATACAGAGGCACCTTACTCTCTGGGCATTATCAGATTTTAA  
 TAAATGAATAAATAAATGGTAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_172769
<b>Insert Size:</b>	900 bp
<b>OTI Disclaimer:</b>	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>	<a href="#">BC024132</a> , <a href="#">AAH24132</a>
<b>RefSeq Size:</b>	1646 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	235293
<b>UniProt ID:</b>	<a href="#">O88822</a>
<b>Cytogenetics:</b>	9 A5.1
<b>Gene Summary:</b>	Catalyzes a dehydrogenation to introduce C5-6 double bond into lathosterol. [UniProtKB/Swiss-Prot Function]