

## Product datasheet for **MC218488**

### Sdccag8 (BC016244) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sdccag8 (BC016244) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sdccag8  
**Synonyms:** 2700048G21Rik; 5730470G24Rik; Cccap  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC016244  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGAAGTCCCAGGGAAGTCTACCCTGGAGGACAGTCTGGGGCAATACCAACGGAGTCTCCGGGAAC  
 GTGCCAATAGAAGCATTACCAGTTGAAATGTGCCCTGAGAGAAGTGGATGTCAGTGTAGAAGAAGATGC  
 ACTGGATCCTTCCACCAGCATCAACGTAGAAAATGAGGACACAGGGGTGGCCTGGCATGAGCTGCAGCAC  
 AGCCATGCTGTCAATCAACTGAAAGCTTTGTTGGTCAACAAACAATAAGGAAAATGAGACATCTCCAC  
 CGCGAAGACGAAAAGTTGTCCCCTTCGCGGCCGTGAGAATGTGACGATGGCAGCATGCCACCATGCACAA  
 CCTCGTTCCTATCATTAAACGACCAGTCTCAATATATCCACCACCTAGAAGCAGAAGTCAAGTTCTGCAAG  
 GATGAATTGTCTGGAATGAAAAATAGGGTGCAAGTAGTTGTAAGTGTGAGAATGAAAGGCTCCAGCAAGAAC  
 TGAAATCTCAAAGACCGGAGGAGACATTGAGGGAGCAAACATTCCTGGATGCATCTGAAACATGCAGAA  
 TTCTTGGATTATGACACGAGAAGATTCTAGGGTGGATGAAGCTGCAAAGAGACCATTTTCTCATGGTGAT  
 GCTGAAACTGGCAAACCTGCATCCACTGGTGTGATGCAATAAATGGAAGCTGGAGCTGGAGAGGCTGAAAC  
 TCACATACGAGGCGAAGACTGACCTTCTGGAATCTCAGCTGATGCTTCTGAGGAAAGACTTAGCTGAATA  
 CCAGAAAACCTGTGAGGATCTTAAGGAAAAGATTGAAGCATAAAGAGTCTTCTGCTGCGAGTGCATCC  
 AGCCGTGTGGGTGGCCTCTGTTTGAATGTGCTCAGCATGAAGCTGTTCTTTCCAGACACACAGCAACG  
 TGCACATCCAGACCATCGAGAGGCTGACTAAAGAGAGAGATGACTTAATGTCTGTGCTAGTCTCTGTGCG  
 GAGCAGCTTGGCAGAAGCGCAGAAGAGAGAGACAAGTGCCTATGAGCAGGTGAAGCATGCTGTGCAGATG  
 ACAGAGGAAGCCAACCTTTGAGAAGACCAAGACTGTATCCCTTGCCTGTGTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC016244



<b>Insert Size:</b>	1104 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>	<u><a href="#">BC016244</a></u> , <u><a href="#">AAH16244</a></u>
<b>RefSeq Size:</b>	2042 bp
<b>RefSeq ORF:</b>	1103 bp
<b>Locus ID:</b>	76816
<b>Cytogenetics:</b>	1 H4
<b>Gene Summary:</b>	Plays a role in the establishment of cell polarity and epithelial lumen formation (PubMed:20835237). Plays also an essential role in ciliogenesis and subsequent Hedgehog signaling pathway that requires the presence of intact primary cilia for pathway activation. Mechanistically, interacts with and mediates RABEP2 centrosomal localization which is critical for ciliogenesis (PubMed:27224062).[UniProtKB/Swiss-Prot Function]