

## Product datasheet for RN209399

### Bscl2 (NM\_001012171) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Bscl2 (NM\_001012171) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Bscl2  
 Synonyms: MGC109260  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN209399 representing NM\_001012171  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTCAATGACCCACCAGTCCCTGCCTTGTCTGTGGGCCAGGAAGTGGCCATGTGTTGGCAGGCCGG  
 CCCGCAGGCTGATGCTGCAGTTTGGGGTCTCTTTGTACCATCCTCTTTGCTTTGGGTGCTGTGTT  
 CCTCTACGGTTCTTTCTACTACTCTACATGCCGACCGTCAGCCACCTCAGCCCTGTGCATTCTATTAC  
 AGGACAGACTGTGATTCCCTCTACTGCTTCGCTCTGCTCTTTCCCTGTTGCCAATGTCTCGCTGACTAAGA  
 GTGGACGTGACCGGGTGTGATGTATGGACAGCCATATCGAGTCACCTTAGAGCTTGAGCTGCCAGAATC  
 CCCTGTGAATCAAGACTTGGGCATGTTCTTAGTCACCGTTTCGTGCTATACCAGAGGTGGCCGAATCATC  
 TCCACTTCTTCACGCTCGGTGATGCTTCATTACCGCTCTCAGCTGCTACAGATGCTCGACACGCTGGTGT  
 TCTCCAGCCTGCTGCTGTTTGGCTTTCAGAACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTA  
 TAGGGAGAATTCGATGTACCAACAACGGGGCAATTATCGAAGTCCACAGCAAGCGTGTCCAGATGTAT  
 GGAGCTTACCTCCGCATCCATGCCACTTCACTGGACTCAGGTACCTGCTATACTTCCCATGACCT  
 GCGCTTCGTGGGTGTGGCCAGCAACTCACATTCCTCAGTGCATCGCGCTCTTACGCTATATGACAGT  
 GGTGTGGGGTGTGCTGGCCCGACACCGCTTCTCTTTCAGGTTAATATCCGACAAAGGGATAATTCA  
 GGACACGGGGCCAGCGTCGGATCTCTGCCATCAGCCAGGTCAGGCGTCTACCCAGCAGTCAGATGTGA  
 CAGAGGATGGCGAGAGCCCTGAGGATCCCTCAGGAACAGAGGGTCAGCTGTCTGAGGAAGAGAAACCAGA  
 GAAGCAGCCTCTGAATGGAGAAGGGGAGCAGGAGCCAGAGGCTAGTGACGGCTCTGGGAAGATGCTGCT  
 TTGCTGACCGAAGCCTCAACGTCTGCCCTCGCCCTGAGACTCTGGCCAGCCTCAGGCAACGCCAGACCT  
 GCTCCAGTTCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001012171
<b>Insert Size:</b>	1134 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>NM_001012171.1, NP_001012171.1</u>
<b>RefSeq Size:</b>	1646 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	361722
<b>UniProt ID:</b>	<u>Q5FVJ6</u>
<b>Cytogenetics:</b>	1q43
<b>Gene Summary:</b>	Is a regulator of lipid catabolism essential for adipocyte differentiation. Necessary for correct lipid storage and lipid droplets maintenance; may play a tissue-autonomous role in controlling lipid storage in adipocytes and in preventing ectopic lipid droplet formation in non-adipose tissues. May also be involved in the central regulation of energy homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]