

## Product datasheet for **MC215791**

### **Bscl2 (NM\_008144) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bscl2 (NM_008144) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bscl2
Synonyms:	2900097C17Rik; AI046355; Gng3lg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC215791 representing NM\_008144  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATACATCAAAGAAGAGAAGCTGGGGCAAGAGAGACATGCAGAGACCAGATCAAAGGATCAGACAAG  
 ACGAGGAACCTTCAGCTGCCCTATCCCATGGCCAAGGGTATCGTCCCTGTGGAAGACCAGCCAGGAACTC  
 AAAGCCTGAGGCTGGGGCCAGACCCCTGCTGTCCCATCATGGTCAATGACCCACCAGTCCCGCCTTA  
 CTGTGGGCCAGGAAGTGGGCCACGTCTTGGCAGGCCGTGCCCGCAGGCTGATGCTGCAGTTGGGGTGC  
 TCTTCTGCACCATCCTTCTTTGCTTTGGGTGTCTGTGTTCTCTATGGCTCCTTCTACTACTCCTACAT  
 GCCGACGGTCAGCCACCTCAGCCCTGTGCCTTCCACTACAGGACAGACTGTGATTCCTCCACCGCCTCT  
 CTCTGCTCTTCCCTGTTGCCAATGTCTCACTGGCTAAGAGTGGACGTGATCGGGTACTGATGTATGGAC  
 AGCCATATCGAGTCACCTTAGAGCTTGAAGTGGCCGAATCCCTGTGAATCAAGACTTGGGCATGTTCTT  
 AGTCACTGTTTTCATGTTATACCAGAGGTGGCCGAATCATCTCCACTTCTTACGCTCAGTGTGCTGCAT  
 TACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGTTCTCCAGCCTCTGCTGTTGGCTTCGCTG  
 AACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTATAGGGAGAATTCGTATGTGCCAACAACTGG  
 AGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTATGGAGCCTACCTCCGGATCCATGCCACTTC  
 ACTGGGCTCAGGTACCTGCTGTACAACCTCCCCATGACCTGCGCCTTCGTGGGTGTGGCCAGCAACTTCA  
 CGTTCTCAGCGTCATCGTGCTTTCAGCTATATGCAGTGGGTGTGGGGTGTCTGTGCCCCGCCACCG  
 CTTCTCTGTCAGGTTAATATCCGACAAAGGGATAACTCACACCAGGGGCCCGCGTCCGATCTCGCGC  
 CATCAGCCAGGTCAGGAATCTACCCAGCAGTCGGATGTGACGGAGGATGGTGAGAGCCCTGAAGATCCCT  
 CAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGAGAAGCGGCCCTGAATGGAGAGGAGAGCA  
 AGAGCCAGAGGCTAGTGATGGCTCTGGGAAGATGCAGCTTTGCTGACAGAGGCCAACCCACCTACTCTT  
 GCCTCAGCATCTGCCCTTCCCCCTGAGACTCTGGGTAGCCTCAGGCAACGCCCGACTGCTCCAGTTCCT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_008144

**Insert Size:** 1332 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\\_008144.5](#), [NP\\_032170.3](#)

RefSeq Size: 1812 bp

RefSeq ORF: 1332 bp

Locus ID: 14705

UniProt ID: [Q9Z2E9](#)

Cytogenetics: 19 5.76 cM

**Gene Summary:** 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.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).