

## Product datasheet for **MR207064**

### **Bscl2 (NM\_001136064) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bscl2 (NM_001136064) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bscl2
Synonyms:	2900097C17Rik; AI046355; Gng3lg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207064 representing NM\_001136064  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATACATCAAAGAAGAGAAGCTGGGGCAAGAGAGACATGCAGAGACCAGATCAAAGGATCAGACAAAG  
 ACGAGGAACCTTCAGCTGCCCTATCCCATGGCCAAGGGTATCGTCCCTGTGGAAGACCAGCCAGGAACTC  
 AAAGCCTGAGGCTGGGGCCAGACCCCTGCTGTCCCATCATGGTCAATGACCCACCAGTCCCGCCTTA  
 CTGTGGGCCAGGAAGTGGGCCACGTCTTGGCAGGCCGTGCCCGCAGGCTGATGCTGCAGTTGGGGTGC  
 TCTTCTGCACCATCCTTCTTTTGGTGTCTGTGTTCTCTATGGCTCCTTCTACTACTCCTACAT  
 GCCGACGGTCAGCCACCTCAGCCCTGTGCACCTCCACTACAGGACAGACTGTGATTCCCTCCACCGCCTCT  
 CTCTGCTCTTCCCTGTTGCCAATGTCTACTGGCTAAGAGTGGACGTGATCGGGTACTGATGTATGGAC  
 AGCCATATCGAGTCACCTTAGAGCTTGAAGTCCCGAATCCCTGTGAATCAAGACTTGGGCATGTTCTT  
 AGTCACTGTTTATGTTATACCAGAGGTGGCCGAATCATCTCCACTTCTTACGCTCAGTGTGCTGCAT  
 TACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGTTCTCCAGCCTCTGCTGTTTGGCTTCGCTG  
 AACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTATAGGGAGAATTTCGTATGTGCCAACTCGG  
 AGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTATGGAGCCTACCTCCGGATCCATGCCACTTC  
 ACTGGGCTCAGGTACCTGCTGTACAACCTCCCCATGACCTGCGCCTTCGTGGGTGTGGCCAGCAACTTCA  
 CGTTCTCAGCGTCATCGTGCTTTCAGCTATATGCAGTGGGTGTGGGGTGTCTGTGCCCCGCCACCG  
 CTTCTCTGCAGGTTAATATCCGACAAAGGGATAACTCACACCAGGGGCCCGCGTCCGATCTCGCGC  
 CATCAGCCAGGTCAGGAATCTACCCAGCAGTCGGATGTGACGGAGGATGGTGAGAGCCCTGAAGATCCCT  
 CAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGAGAAGCGGCCCTGAATGGAGAGGAGGAGCA  
 AGAGCCAGAGGCTAGTGATGGCTCTGGGAAGATGCAGCTTTGCTGACAGAGGCCAACCCACCTACTCTCT  
 GCCTCAGCATCTGCCCTTCCCCCTGAGACTCTGGGTAGCCTCAGGCAACGCCCGACCTGCTCCAGTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207064 representing NM\_001136064  
 Red=Cloning site Green=Tags(s)

MIHQREAGARETCRDQIKGSDKDEEPSAALSHGQGYRPCGRPARNSKPEAGARPPAVPIMVNDPPVPAL  
 LWAQEVGHVLAGRARRMLQFGVLFCTILLLLWVSVFLYGSFYYSYMPVSHLSPVHFHYRTDCDSSTAS  
 LCSFPVANVSLAKSGRDRVLMYQPYRVTELELPESPVNQDLGMFLVTVSCYTRGGRIISTSSRSVMLH  
 YRSQLLQVLDTLFSSLLLFGFAEQQLLEVELYSDYRENSYVPTTGAIIEIHSKRIMQYGAYLRIHAHF  
 TGLRYLLYNFPMTCAFVGVASNF TFLSVIVLFSYMQVWVAVWPRHRFSLQVNIQRDNSHHGAPRRISR  
 HQPGQESTQQSDVTEDESPEDPSGTEGQLSEEEKPEKRPLNGEEEQEPEASDGSWEDAALLTEANPPTS  
 ASASALAPETLGLRQRPTCSSS

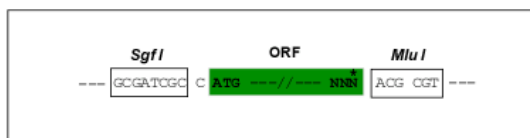
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_001136064

ORF Size: 1329 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001136064.3](#), [NP\\_001129536.1](#)

RefSeq Size: 1962 bp

RefSeq ORF: 1332 bp

Locus ID: 14705

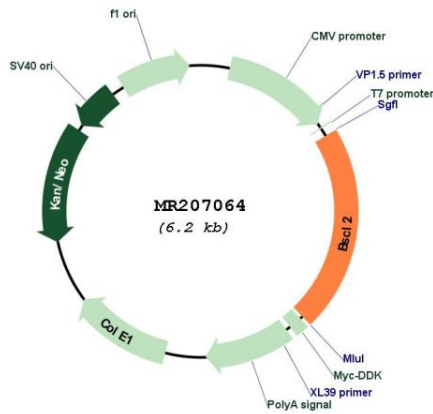
UniProt ID: [Q9Z2E9](#)

Cytogenetics: 19 5.76 cM

**MW:** 49.6 kDa

**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]

**Product images:**



Circular map for MR207064