

Product datasheet for **MR205984**

Bscl2 (NM_008144) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bscl2 (NM_008144) 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)



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ORF Nucleotide Sequence:

>MR205984 representing NM_008144
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATACATCAAAGAAGAGAAGCTGGGGCAAGAGAGACATGCAGAGACCAGATCAAAGGATCAGACAAG
 ACGAGGAACCTTCAGCTGCCCTATCCCATGGCCAAGGGTATCGTCCCTGTGGAAGACCAGCCAGGAACTC
 AAAGCCTGAGGCTGGGGCCAGACCCCTGCTGTCCCATCATGGTCAATGACCCACCAGTCCCGCCTTA
 CTGTGGGCCAGGAAGTGGGCCACGTCTTGGCAGGCCGTGCCCGCAGGCTGATGCTGCAGTTGGGGTGC
 TCTTCTGCACCATCCTTCTTTTGGTGTCTGTGTTCTCTATGGCTCCTTCTACTACTCCTACAT
 GCCGACGGTCAGCCACCTCAGCCCTGTGCACCTCCACTACAGGACAGACTGTGATTCCTCCACCGCCTCT
 CTCTGCTCTTCCCTGTTGCCAATGTCTACTGGCTAAGAGTGGACGTGATCGGGTACTGATGTATGGAC
 AGCCATATCGAGTCACCTTAGAGCTTGAAGTCCCGAATCCCTGTGAATCAAGACTTGGGCATGTTCTT
 AGTCACTGTTTATGTTATACCAGAGTGGCCGAATCATCTCCACTTCTTACGCTCAGTGTGCTGCAT
 TACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGTTCTCCAGCCTCTGCTGTTGGCTTCGCTG
 AACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTATAGGGAGAATTCGTATGTGCCAACAACTGG
 AGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTATGGAGCCTACCTCCGGATCCATGCCACTTC
 ACTGGGCTCAGGTACCTGCTGTACAACCTCCCCATGACCTGCGCCTTCGTGGGTGTGGCCAGCAACTTCA
 CGTTCTCAGCGTCATCGTGCTTTCAGCTATATGCAGTGGGTGTGGGGTGTCTGTGCCCCGCCACCG
 CTTCTCTGCAGGTTAATATCCGACAAAGGGATAACTCACACCAGGGGCCCGCGTCCGATCTCGCGC
 CATCAGCCAGGTCAGGAATCTACCCAGCAGTCGGATGTGACGGAGGATGGTGAGAGCCCTGAAGATCCCT
 CAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGAGAAGCGGCCCTGAATGGAGAGGAGGAGCA
 AGAGCCAGAGGCTAGTGATGGCTCTGGGAAGATGCAGCTTGGCTGACAGAGGCCAACCCACCTACTCTCT
 GCCTCAGCATCTGCCCTTCCCCCTGAGACTCTGGGTAGCCTCAGGCAACGCCCGACTGCTCCAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR205984 representing NM_008144
 Red=Cloning site Green=Tags(s)

MIHQREAGARETCRDQIKGSDKDEEPSAALSHGQGYRPCGRPARNSKPEAGARPPAVPIMVNDPPVPAL
 LWAQEVGHVLAGRARRMLQFGVLFCTILLLLWVSVFLYGSFYYSYMPVSHLSPVHFHYRTDCDSSTAS
 LCSFPVANVSLAKSGRDRVLMYGQPYRVTLLELPESPVNQDLGMFLVTVSCYTRGGRIISTSSRSVMLH
 YRSQLLQVLDTLFSSLLLFGFAEQQLLEVELYSDYRENSYVPTTGAIIEIHSKRIMYGAYLRIHAHF
 TGLRYLLYNFPMTCAFVGVASNF TFLSVIVLFSYMQVWVAVWPRHRFSLQVNIQRDNSHHGAPRRISR
 HQPGQESTQQSDVTEDGESPEDPSGTEGQLSEEEKPEKRPLNGEEEQEPEASDGSWEDAALLTEANPPTS
 ASASALAPETLGSLRQRPTCSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_f09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_008144

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_008144.5](#), [NP_032170.3](#)

RefSeq Size: 1815 bp

RefSeq ORF: 1332 bp

Locus ID: 14705

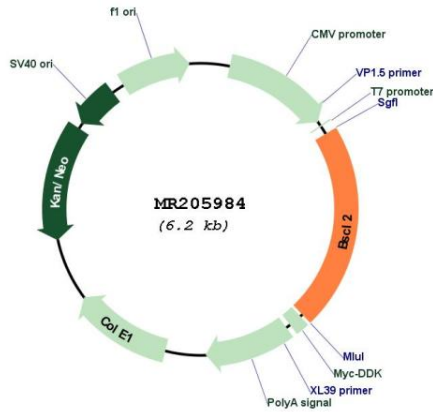
UniProt ID: [Q9Z2E9](#)

Cytogenetics: 19 5.76 cM

MW: 50 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 MR205984