

Product datasheet for **MG205984**

Bscl2 (NM_008144) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bscl2 (NM_008144) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bscl2
Synonyms:	2900097C17Rik; AI046355; Gng3lg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205984 representing NM_008144 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATACATCAAAGAAGAGAAGCTGGGGCAAGAGAGACATGCAGAGACCAGATCAAAGGATCAGACAAAG
ACGAGGAACCTTCAGCTGCCCTATCCCATGGCCAAGGGTATCGTCCCTGTGAAGACCAGCCAGGAATC
AAAGCCTGAGGCTGGGGCCAGACCCCTGCTGTCCCCATCATGGTCAATGACCCACCAGTCCCCGCCTTA
CTGTGGGGCCAGGAAGTGGCCACGTCTTGCCAGGCCGTGCCCGCAGGCTGATGCTGCAGTTTGGGGTGC
TCTTCTGCACCATCCTTCTTTGCTTTGGGTGTCTGTGTTCTCTATGGCTCCTTCTACTACTCCTACAT
GCCGACGGTCAGCCACCTCAGCCCTGTGCACTTCCACTACAGGACAGACTGTGATTCTCCACCGCCTCT
CTCTGCTCTTTCCTGTTGCCAATGTCTCACTGGCTAAGAGTGGACGTGATCGGGTACTGATGTATGGAC
AGCCATATCGAGTCACCTTAGAGCTTGAAGTGGCCGAATCCCTGTGAATCAAGACTTGGGCATGTTCTT
AGTCACTGTTTCATGTTATACCAGAGGTGGCCGAATCATCTCCACTTCTTACGCTCAGTGATGCTGCAT
TACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGTTCTCCAGCCTCCTGCTGTTTGGCTTCGCTG
AACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTATAGGGAGAATTCGTATGTGCCAACAAGTGG
AGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTATGGAGCCTACCTCCGGATCCATGCCCACTTC
ACTGGGCTCAGGTACCTGCTGTACAACCTCCCCATGACCTGCGCCTTCGTGGGTGTGGCCAGCAACTTCA
CGTTCCTCAGCGTCATCGTCTTTCAGCTATATGCAGTGGGTGTGGGGTGTCTGTGGCCCCGCCACCG
CTTCTCTCTGCAGGTTAATATCCGACAAAGGGATAACTCACACCAGGGGCCCGCGTCGGATCTCGCGC
CATCAGCCAGGTGAGGAATCTACCCAGCAGTGGATGTGACGGAGGATGGTGAGAGCCCTGAAGATCCCT
CAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGAGAAGCGGCCCTGAATGGAGAGGAGGAGCA
AGAGCCAGAGGCTAGTGATGGCTCCTGGGAAGATGCAGCTTTGCTGACAGAGGCCAACCCACCTACCTCT
GCCTCAGCATCTGCCCTGCCCTGAGACTCTGGGTAGCCTCAGGCAACGCCGACCTGCTCCAGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205984 representing NM_008144
 Red=Cloning site Green=Tags(s)

MIHQREAGARETCRDQIKGSDKDEEPSAALSHGQGYRPCGRPARNSKPEAGARPPAVPIMVNDPPVPAL
 LWAQEVGHVLAGRARRMLQFGVLFCTILLLLWVSFVLYGSFYYSYMPVSHLSPVHFHYRTDCDSSTAS
 LCSFPVANVSLAKSGRDRVLMYGQPYRVTLLELPESPVNQDLGMFLVTVCYTRGGRIISTSSRSVMLH
 YRSQLLQVLDTLFFSLLLFGFAEQKQLLEVELYSDYRENSYVPTTGAIIEIHSKRIQMYGAYLRIHAHF
 TGLRYLLYNFPMTCFAVGVASNF TFLSVIVLFSYMQVWVGAVWPRHRFSLQVNIQRDNSSHGAPRRISR
 HQPGQESTQQSDVTEDGESPEDPSGTEGQLSEEEKPEKRPLNGEEEQEPEASDGSWEDAALLTEANPPTS
 ASASALAPETLGLRQRPTCSSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_008144.5](#), [NP_032170.3](#)

RefSeq Size: 1815 bp

RefSeq ORF: 1332 bp

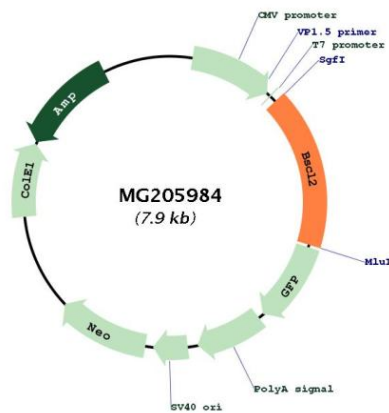
Locus ID: 14705

UniProt ID: [Q9Z2E9](#)

Cytogenetics: 19 5.76 cM

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 MG205984