

Product datasheet for **MR229624**

Bscl2 (NM_001290823) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bscl2 (NM_001290823) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bscl2
Synonyms: 2900097C17Rik; AI046355; Gng3lg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229624 representing NM_001290823
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTCAATGACCCACCAGTCCCCGCCTTACTGTGGGCCAGGAAGTGGGCCACGCTTGGCAGGCCGTG
CCCGCAGGCTGATGCTGCAGTTTGGGGTCTTCTGCACCATCCTTCTTTGCTTTGGGTGCTGTGTT
CCTCTATGGCTCCTTCTACTACTCTACATGCCGACGGTCAGCCACCTCAGCCCTGTGCACCTCCACTAC
AGGACAGACTGTGATTCCCTCCACCGCCTCTCTGCTCTTTCCCTGTTGCCAATGTCTCACTGGCTAAGA
GTGGACGTGATCGGGTACTGATGTATGGACAGCCATATCGAGTACCTTAGAGCTTGAAGTGCCTGAATC
CCCTGTGAATCAAGACTTGGCATGTTCTTAGTCACTGTTTCATGTTATACCAGAGGTGGCCGAATCATC
TCCACTTCTTACGCTCAGTGTGCTGCATTACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGT
TCTCCAGCCTCCTGCTGTTTGGCTTCGCTGAACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTA
TAGGGAGAATTCGATGTGCCAACAACTGGAGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTAT
GGAGCCTACCTCCGATCCATGCCACTTCACTGGGCTCAGGTACCTGCTGTACAACCTCCCCATGACCT
GCGCCTTCGTGGGTGTGGCCAGCAACTCACGTTCCCTCAGGTCATCGTCTCTTACGCTATATGCAGTG
GGTGTGGGGTGTGCTGCTGGCCCCGCCACCGCTTCTCTGCAAGTTAATATCCGACAAAGGGATAACTCA
CACCACGGGGCCCCGCTCGGATCTCGCGCCATCAGCCAGGTCAGGAATCTACCCAGCAGTCGGATGTGA
CGGAGGATGGTGAGAGCCCTGAAGATCCCTCAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGA
GAAGCGGCCCTGAATGGAGAGGAGGAGCAAGAGCCAGAGGCTAGTGATGGCTCCTGGGAAGATGCAGCT
TTGCTGACAGAGGCCAACCCACCTACCTCTGCCTCAGCATCTGCCCTTGGCCCTGAGACTCTGGGTAGCC
TCAGGCAACGCCGACCTGCTCCAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229624 representing NM_001290823
 Red=Cloning site Green=Tags(s)

MVNDPPVPALLWAQEVGHVLAGRARRLMLQFGVLFCTILLLLWVSFVLYGFSFYSYMPTVSHLSPVHFHY
 RTDCDSSTASLCSFPVANVSLAKSGRDRVLMYGQPYRVTELELPESPVNQDLGMFLVTVSCYTRGGRII
 STSSRSVMLHYRSQLLQVLDTLFSSLLLFGFAEQKQLLEVELYSDYRENSYVPTTGAIIEIHSKRIQMY
 GAYLRIHAHFTGLRYLLYNFPMTCAFVGVASNFTFLSVIVLFSYMQVWVWAVWPRHRFSLQVNIQRDNS
 HHGAPRRI SRHQPGQUESTQQSDVTEDGESPEDPSGTEGQLSEEEKPEKRLPNGEEEQEPEASDGSWEDAA
 LLTEANPPTSASASALAPETLGSRLRQRPTCSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

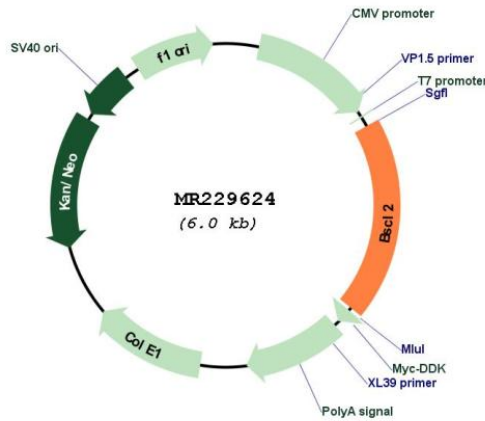
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290823

ORF Size:	1149 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:	<ol style="list-style-type: none">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_001290823.1 , NP_001277752.1
RefSeq Size:	1421 bp
RefSeq ORF:	1152 bp
Locus ID:	14705
UniProt ID:	Q9Z2E9
Cytogenetics:	19 5.76 cM
MW:	43.6 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]