

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229624 representing NM_001290823 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTCAATGACCCACCACTCCCGCCTTACTGTGGGCCAGGAAGTGGGCCACGTCTTGGCAGGCCGTG
CCCGCAGGCTGATGCTGCAGTTTGGGGTCTTCTGACCATCCTTCTTTGCTTTGGGTGTCTGTGT
CCTCTATGGCTCCTTCTACTACTCCTACATGCCGACGGTCAGCCACCTCAGCCCTGTGCACCTTCCACTAC
AGGACAGACTGTGATTCCTCCACCGCCTCTCTGCTCTTCCCTGTTGCCAATGTCTCACTGGCTAAGA
GTGGACGTGATCGGGTACTGATGTATGGACAGCCATATCGAGTCACCTTAGAGCTTGAATGCCGAATC
CCCTGTGAATCAAGACTTGGGCATGTTCTTAGTCACTGTTTCATGTTATACCAGAGGTGGCCGAATCATC
TCCACTTCTTACGCTCAGTGTGCTGATTACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGT
TCTCCAGCCTCCTGCTGTTGGCTTCGCTGAACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTA
TAGGGAGAATTCGTATGTGCCAACAACTGGAGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTAT
GGAGCCTACCTCCGGATCCATGCCCACTTCACTGGGCTCAGGTACCTGCTGTACAACCTCCCCATGACCT
GCGCCTTCGTGGGTGTGGCCAGCAACTCACGTTCTCAGCGTCATCGTGCTCTTCACTATATGCAGTG
GGTGTGGGGTGTGTCTGGCCCCCACCCTTCTCTGTCAGGTTAATATCCGACAAAGGGATAACTCA
CACCACGGGGCCCCCGTCCGATCTCGGCCATCAGCCAGGTGAGGAATCTACCCAGCAGTCCGATGTGA
CGGAGGATGGTGAGAGCCTGAAGATCCCTCAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGA
GAAGCGGCCCTGAATGGAGAGGAGGAGCAAGAGCCAGAGGCTAGTGATGGCTCCTGGGAAGATGCAGCT
TTGCTGACAGAGGCCAACCCACCTACCTCTGCCTCAGCATCTGCCCTTGGCCCTGAGACTCTGGGTAGCC
TCAGGCAACGCCGACCTGCTCCAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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

MVNDPPVPALLWAQEVGHVLAGRARRLMLQFGVLFCTILLLLWVSFVFLYGSFYYSYMPYVSHLSPVHFHY
 RTDCDSSASLCSFPVANVSLAKSGRDRVLMYGPYRVTLLELELPESPVNQDLGMFLVTVSCYTRGGRII
 STSSRSVMLHYRSQLLQVLDTLFLSLLLFSGFAEQKQLLEVELYSDYRENSYVPTTGAIIEIHSKRIQMY
 GAYLRIHAHFTGLRYLLYNFPMTCAFVGVASNFTFLSVIVLFSYMQVWVWAVWPRHRFSLQVNIQRDNS
 HHGAPRRISRHPGQESTQQSDVTEDGESPEDPSGTEGQLSEEEKPEKRPLNGEEEQEPEASDGSWEDAA
 LLTEANPPTSASASALAPETLGLSLRQRPTCSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:

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

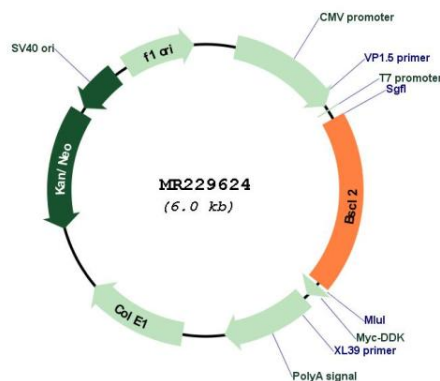
UniProt ID: [Q9Z2E9](#)

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]

Product images:



Circular map for MR229624