

Product datasheet for **RR209399**

Bscl2 (NM_001012171) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bscl2 (NM_001012171) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bscl2
Synonyms: MGC109260
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209399 representing NM_001012171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTCAATGACCCACCAGTCCCTGCCTTGTCTGTGGGCCAGGAAGTGGGCCATGTGTTGGCAGGCCGCG
CCCGCAGGCTGATGCTGCAGTTTGGGGTCTCTTTGTACCATCCTCTTTGCTTTGGGTGCTGTGTT
CCTCTACGGTTCTTTCTACTACTCCTACATGCCGACCGTCAGCCACCTCAGCCCTGTGCATTTCTATTAC
AGGACAGACTGTGATTCCCTCTACTGCTTCGCTCTGCTCTTTCCCTGTGCAATGTCTCGCTGACTAAGA
GTGGACGTGACCGGGTGTGATGTATGGACAGCCATATCGAGTCACCTTAGAGCTTGAGCTGCCAGAATC
CCCTGTGAATCAAGACTTGGGCATGTTCTTAGTCACCGTTTCGTGCTATACCAGAGGTGGCCGAATCATC
TCCACTTCTTCACGCTCGGTGATGCTTCATTACCGCTCTCAGCTGCTACAGATGCTCGACACGCTGGTGT
TCTCCAGCCTGCTGCTGTTTGGCTTTCAGAACAGAACAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTA
TAGGGAGAATTCGATGTACCAACAACGGGGCAATTATCGAAGTCCACAGCAAGCGTGTCCAGATGTAT
GGAGCTTACCTCCGCATCCATGCCACTTCACTGGACTCAGGTACCTGCTATACAACTTCCCATGACCT
GCGCCTTCGTGGGTGTGGCCAGCAACTTACATTCCTCAGTGCATCGCGCTCTCAGCTATATGACAGT
GGTGTGGGGTGTGCTGTGGCCCGACACCGCTTCTCTTTGCAGGTTAATATCCGACAAAGGGATAATTCA
GGACACGGGGCCAGCGTCGGATCTCTGCCATCAGCCAGGTCAGGCGTCTACCCAGCAGTCAGATGTGA
CAGAGGATGGCGAGAGCCCTGAGGATCCCTCAGGAACAGAGGGTCAGCTGTCTGAGGAAGAGAAACCAGA
GAAGCAGCCTCTGAATGGAGAAGGGGAGCAGGAGCCAGAGGCTAGTGACGGCTCTGGGAAGATGCTGCT
TTGCTGACCGAAGCCTCAACGTCTGCCCTCGCCCTGAGACTCTGGCCAGCCTCAGGCAACGCCAGACCT
GCTCCAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209399 representing NM_001012171
Red=Cloning site Green=Tags(s)

MVNDPPVPALLWAQEVGHVLAGRARRLMLQFGVLFCTILLLLWVSFVLYGFSFYSYMPTVSHLSPVHFYY
 RTDCDSSTASLCSFPVANVSLTKSGRDRVLMYGQPYRVTELELPESPVNQDLGMFLVTVSCYTRGGRII
 STSSRSVMLHYRSQLLQMLDTL VFSSLLLFGFAEQKQLLEVELYSDYRENSYVPTTGAIIEVHSKRVQMY
 GAYLRIHAHFTGLRYLLYNFPMTCAFVGVASNFTFLSVIALFSYMQVWVWAVWPRHRFSLQVNIQRDNS
 GHGAQRRI SRHQPGQASTQQSDVTEDGESPEDPSGTEGQLSEEEKPEKQPLNGEGEQEPEASDGSWEDAA
 LLTEASTSALAPETLGSLRQRQTCSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

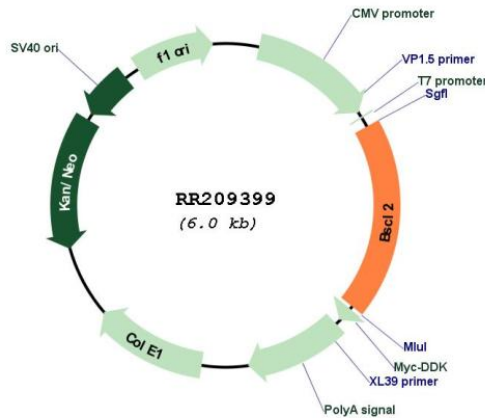
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012171

ORF Size:	1131 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_001012171.1 , NP_001012171.1
RefSeq Size:	1646 bp
RefSeq ORF:	1134 bp
Locus ID:	361722
UniProt ID:	Q5FVJ6
Cytogenetics:	1q43
MW:	42.4 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 (By similarity).[UniProtKB/Swiss-Prot Function]