

Product datasheet for **MC227413**

Bscl2 (NM_001290823) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bscl2 (NM_001290823) Mouse Untagged Clone
Tag: Tag Free
Symbol: Bscl2
Synonyms: 2900097C17Rik; AI046355; Gng3lg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227413 representing NM_001290823
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCAATGACCCACCAGTCCCCGCCTTACTGTGGGCCAGGAAGTGGGCCACGCTTGGCAGGCCGTG
 CCCGCAGGCTGATGCTGCAGTTTGGGGTCTTCTGCACCATCCTTCTTTGCTTTGGGTGCTGTGTT
 CCTCTATGGCTCCTTCTACTACTCTACATGCCGACGGTCAGCCACCTCAGCCCTGTGCACCTCCACTAC
 AGGACAGACTGTGATTCCTCCACCGCCTCTCTGCTCTTTCCCTGTTGCCAATGTCTCACTGGCTAAGA
 GTGGACGTGATCGGGTACTGATGTATGGACAGCCATATCGAGTCACCTTAGAGCTTGAATGCCCGAATC
 CCCTGTGAATCAAGACTTGGCATGTTCTTAGTCACTGTTTCATGTTATACCAGAGGTGGCCGAATCATC
 TCCACTTCTTACGCTCAGTGTGCTGCATTACCGCTCGCAGCTGCTCCAGGTGCTCGACACGCTGCTGT
 TCTCCAGCCTCCTGCTGTTTGGCTTCGCTGAACAGAAGCAGCTCCTGGAAGTAGAACTCTACTCTGACTA
 TAGGGAGAATTCGATGTGCCAACAACTGGAGCAATTATTGAGATCCACAGCAAGCGCATCCAGATGTAT
 GGAGCCTACCTCCGGATCCATGCCACTTCACTGGGCTCAGGTACCTGCTGTACAACCTCCCATGACCT
 GCGCCTTCGTGGGTGTGGCCAGCAACTCACGTTCCCTCAGGTCATCGTCTCTTACGCTATATGCAGTG
 GGTGTGGGGTGTGCTGCGCCCGCCACCGCTTCTCTGCAAGTTAATATCCGACAAAGGGATAACTCA
 CACCACGGGGCCCGCTCGGATCTCGCCCATCAGCCAGGTCAGGAATCTACCCAGCAGTCGGATGTGA
 CGGAGGATGGTGAGAGCCCTGAAGATCCCTCAGGAACAGAGGGCCAGCTGTCTGAGGAAGAGAAACCAGA
 GAAGCGGCCCTGAATGGAGAGGAGGAGCAAGAGCCAGAGGCTAGTGATGGCTCCTGGGAAGATGCAGCT
 TTGCTGACAGAGGCCAACCCACCTACCTTGCCTCAGCATCTGCCCTTGGCCCTGAGACTCTGGGTAGCC
 TCAGGCAACGCCGACCTGCTCCAGTTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001290823
Insert Size:	1152 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290823.1</u> , <u>NP_001277752.1</u>
RefSeq Size:	1421 bp
RefSeq ORF:	1152 bp
Locus ID:	14705
UniProt ID:	<u>Q9Z2E9</u>
Cytogenetics:	19 5.76 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1.</p>