

## Product datasheet for RC225781

### BSCL2 (NM\_001130702) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BSCL2 (NM\_001130702) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** BSCL2  
**Synonyms:** GNG3LG; HMN5; HMN5C; PELD; SPG17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC225781 representing NM\_001130702  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTCAACGACCCTCCAGTACCTGCCTTACTGTGGGCCAGGAGGTGGGCCAAGTCTTGGCAGGCCGTG  
 CCCGCAGGCTGCTGCTGCAGTTTGGGGTGTCTTCTGCACCATCCTCTTTGCTCTGGGTGTCTGTCTT  
 CCTCTATGGCTCCTTCTACTATTCTATATGCCGACAGTCAGCCACCTCAGCCCTGTGCATTCTACTAC  
 AGGACCGACTGTGATTCCCTCCACCACCTCACTCTGCTCCTCCCTGTTGCCAATGTCTCGCTGACTAAGG  
 GTGGACGTGATCGGGTGTGATGTATGGACAGCCGTATCGTGTTACCTTAGAGCTTGAGCTGCCAGAGTC  
 CCCTGTGAATCAAGATTTGGGCATGTTCTTGGTCACCATTTCTGCTACACCAGAGGTGGCCGAATCATC  
 TCCACTTCTTCGCGTTCCGGTGTGCTGCATTACCCTCAGACCTGCTCCAGATGCTGGACACACTGGTCT  
 TCTTAGCCTCCTGCTATTTGGCTTTCAGAGCAGAAGCAGCTGCTGGAGGTGGAAGTCTACGCAGACTA  
 TAGAGAGAAGTCAACGAAGGATCTCTGCTCATCAGCCAGGGCCTGAAGGCCAGGAGGATCAACTCCGCA  
 GAAGGAAGTCCAACGAAGGATCTCTGCTCATCAGCCAGGGCCTGAAGGCCAGGAGGATCAACTCCGCA  
 TCAGATGTTACAGAGGATGGTGAGAGCCCTGAAGATCCCTCAGGGACAGAGGGTCAGCTGCTCCGAGGAG  
 AGAAACCAGATCAGCAGCCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC225781 representing NM\_001130702  
 Red=Cloning site Green=Tags(s)

MVNDPPVPALLWAQEVGQVLAGRARRLLLQFGVLFCTILLLLWVSVFLYGSFYYSYMPYVSHLSPVHFY  
 RTDCDSSTTSLCSFPVANVSLTKGGRDRVLMYGPYRVTELELPESPVNQDLGMFLVTISCYTRGGRII  
 STSSRSVMLHYRSDLQMLDTL VFSLLLFGFAEQQLLEVELYADYRENSYVPTTGAIIEIHSKRIQLY  
 GAYLRIHAHFTGLRLTSEKETIPGRKSNESLLISQGLKARRSQLRNQMLQRMVRLKIPQGRVSCPRR  
 RNQISSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

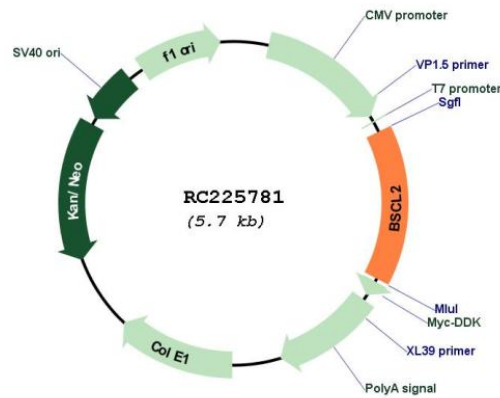
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001130702

**ORF Size:** 861 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001130702.2</a> , <a href="#">NP_001124174.2</a>
<b>RefSeq ORF:</b>	864 bp
<b>Locus ID:</b>	26580
<b>UniProt ID:</b>	<a href="#">Q96G97</a>
<b>Cytogenetics:</b>	11q12.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	32.65 kDa
<b>Gene Summary:</b>	This gene encodes the multi-pass transmembrane protein protein seipin. This protein localizes to the endoplasmic reticulum and may be important for lipid droplet morphology. Mutations in this gene have been associated with congenital generalized lipodystrophy type 2 or Berardinelli-Seip syndrome, a rare autosomal recessive disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Naturally occurring read-through transcription occurs between this locus and the neighboring locus HNRNPUL2 (heterogeneous nuclear ribonucleoprotein U-like 2).[provided by RefSeq, Mar 2011]