

## Product datasheet for **SC325117**

### BSCL2 (NM\_001130702) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BSCL2 (NM_001130702) Human Untagged Clone
Tag:	Tag Free
Symbol:	BSCL2
Synonyms:	GNG3LG; HMN5; HMN5C; PELD; SPG17
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130702, the custom clone sequence may differ by one or more nucleotides ATGTCTACAGAAAAGGTAGACAAAAGGAGGAAGCTGGGGAAAAAGAGGTGTGCGGAGAC CAGATCAAAGGACCGGACAAAGAGGAGGAACCACCAGCTGCTGCATCCCATGGCCAGGGG TGGCGTCCAGGTGGCAGAGCAGCTAGGAACGCAAGGCCTGAACCTGGGGCCAGACACCT GCTCTCCCGGCCATGGTCAACGACCTCCAGTACCTGCCTTACTGTGGGCCAGGAGGTG GGCCAAGTCTTGGCAGGCCGTGCCCGCAGGCTGCTGCTGCAGTTTGGGGTCTCTTCTGC ACCATCCTCCTTTTGTCTGGGTGTCTGTCTTCCCTCTATGGCTCCTTCTACTATTCCTAT ATGCCGACAGTCAGCCACCTCAGCCCTGTGCATTTCTACTACAGGACCGACTGTGATTCC TCCACCACCTCACTCTGCTCCTTCCCTGTTGCCAATGTCTCGCTGACTAAGGGTGGACGT GATCGGGTGTGATGTATGGACAGCCGTATCGTGTACCTTAGAGCTTGAGCTGCCAGAG TCCCCTGTGAATCAAGATTTGGGCATGTTCTTGGTCACCATTTCTGCTACACCAGAGGT GGCCGAATCATCTCCACTTCTTCGCGTTCGGTGATGCTGCATTACCGCTCAGACCTGCTC CAGATGCTGGACACACTGGTCTTCTCTAGCCTCCTGCTATTTGGCTTTCAGAGCAGAAG CAGCTGCTGGAGGTGGAAGTCTACGCAGACTATAGAGAGAAGTACGTACGTGCCGACCACT GGAGCGATCATTGAGATCCACAGCAAGCGCATCCAGCTGTATGGAGCCTACCTCCGCATC CACGCGCACTTCACTGGGCTCAGATACCTGCTATACAACCTCCCGATGACCTGCGCCTTC ATAGGTGTTGCCAGCAACTTACCTTCCCTCAGCGTCATCGTGCTTTCAGCTACATGCAG TGGGTGTGGGGGGCATCTGGCCCCGACACCGCTTCTCTTTCAGGTTAACATCCGAAAA AGAGACAATTCGGAAGGAAGTCCAACGAAGGATCTCTGCTCATCAGCCAGGGCCTGAA GGCCAGGAGGAGTCAACTCCGCAATCAGATGTTACAGAGGATGGTGAGAGCCCTGAAGAT CCCTCAGGGACAGAGGGTCACTGTCCGAGGAGGAGAAACCAGATCAGCAGCCCCGAGC GGAGAAGAGGAGCTAGAGCCTGAGGCCAGTGATGGTTCAGGCTCCTGGGAAGATGCAGCT TTGCTGACGGAGGCCAACCTGCCTGCTCCTGCTCCTGCTTCTGCTTCTGCCCTGTCTTA GAGACTCTGGGCAGCTCTGAACCTGCTGGGGTGTCTCCGACAGCGCCACCTGCTCT AGTTCC
Restriction Sites:	Please inquire
ACCN:	NM_001130702
Insert Size:	1378 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_001130702.1</a></u> , <u><a href="#">NP_001124174.1</a></u>
<b>RefSeq Size:</b>	1378 bp
<b>RefSeq ORF:</b>	1389 bp
<b>Locus ID:</b>	26580
<b>UniProt ID:</b>	<u><a href="#">Q96G97</a></u>
<b>Cytogenetics:</b>	11q12.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) has multiple differences, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 3) is shorter at the N-terminus and has a distinct C-terminus, compared to isoform 1.</p>