

Product datasheet for RC225782L2

BSCL2 (NM_001122955) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: mGFP

Symbol: BSCL2

Synonyms: GNG3LG; HMN5; HMN5C; PELD; SPG17

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

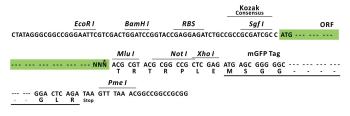
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC225782).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001122955

ORF Size: 1194 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

EU: info-de@origene.com CN: techsupport@origene.cn



BSCL2 (NM_001122955) Human Tagged Lenti ORF Clone | RC225782L2

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

RefSeq: <u>NM_001122955.2</u>

RefSeq ORF: 1389 bp

Locus ID: 26580

UniProt ID: Q96G97

Cytogenetics: 11q12.3

Protein Families: Druggable Genome, Transmembrane

MW: 44.39 kDa

Gene Summary: This gene encodes the multi-pass transmembrane protein protein seipin. This protein localizes

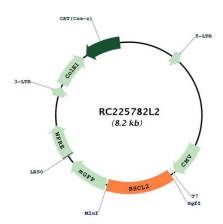
to the endoplasmic reticulum and may be important for lipid droplet morphology. Mutations in

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 readthrough transcription occurs between this locus and the neighboring locus HNRNPUL2

(heterogeneous nuclear ribonucleoprotein U-like 2).[provided by RefSeq, Mar 2011]



Product images:



Circular map for RC225782L2