

Product datasheet for RC203625

BSCL2 (NM_032667) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BSCL2 (NM_032667) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BSCL2
Synonyms:	GNG3LG; HMN5; HMN5C; PELD; SPG17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203625 representing NM_032667 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGGTCAACGACCCTCCAGTACCTGCCTTACTGTGGGCCAGGAGGTGGGCCAAGTCTTGGCAGGCCGTG
CCCGCAGGCTGCTGCTGCAGTTTGGGGTCTTCTGCACCATCCTCTTTGCTCTGGGTGTCTGTCTT
CCTCTATGGCTCCTTCTACTATTCTATATGCCGACAGTCAGCCACCTCAGCCCTGTGCATTTCTACTAC
AGGACCGACTGTGATTCCTCCACCCTCACTCTGCTCCTCCCTGTTGCCAATGTCTCGCTGACTAAGG
GTGGACGTGATCGGGTGTGATGTATGGACAGCCGTATCGTGTTACCTTAGAGCTTGAGCTGCCAGAGTC
CCCTGTGAATCAAGATTTGGGCATGTTCTTGGTCACCATTTCTGCTACACCAGAGGTGGCCGAATCATC
TCCACTTCTTCGCGTTCGGTGTGCTGCATTACCGCTCAGACCTGCTCCAGATGCTGGACACACTGGTCT
TCTCTAGCCTCCTGCTATTTGGCTTTCAGAGCAGAAGCAGCTGCTGGAGGTGGAACCTACGCAGACTA
TAGAGAGAACCTCGTACGTGCCGACCACTGGAGCGATCATTGAGATCCACAGCAAGCGCATCCAGCTGTAT
GGAGCCTACCTCCGATCCACGCGCACTTCACTGGGCTCAGATACCTGCTATACTTCCCGATGACCT
GCGCCTCATAGGTGTTGCCAGCACTTCACTTCCCTCAGCGTCATCGTGCTCTTCAGCTACATGCAGTG
GGTGTGGGGGGCATCTGGCCCCGACACCGCTTCTCTTTCAGGTTAACATCCGAAAAAGAGACAATTCC
CGGAAGGAAGTCCAACGAAGGATCTCTGCTCATCAGCCAGTGCCAGGGCCTGAAGGCCAGGAGGAGTCAA
CTCCGCAATCAGATGTTACAGAGGATGGTGAGAGCCCTGAAGATCCCTCAGGGACAGAGGGTCAAGCTGTC
CGAGGAGGAGAAAACCAGATCAGCAGCCCTGAGCGGAGAAGAGGAGCTAGAGCCTGAGGCCAGTGATGGT
TCAGGCTCCTGGGAAGATGCAGCTTTGCTGACGGAGGCCAACCTGCCTGCTCCTGCTCCTGCTTCTGCTT
CTGCCCTGTCTAGAGACTCTGGGCAGCTCTGAACCTGCTGGGGTGTCTCCGACAGCGCCCCACCTG
CTCTAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

RefSeq: [NM_032667.6](#)

RefSeq Size: 1664 bp

RefSeq ORF: 1197 bp

Locus ID: 26580

UniProt ID: [Q96G97](#)

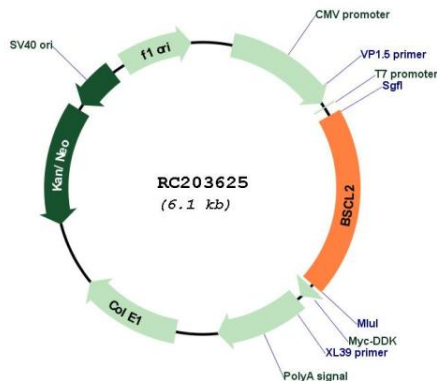
Cytogenetics: 11q12.3

Protein Families: Druggable Genome, Transmembrane

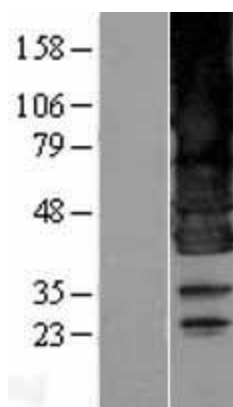
MW: 44.2 kDa

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 read-through transcription occurs between this locus and the neighboring locus HNRNPUL2 (heterogeneous nuclear ribonucleoprotein U-like 2).[provided by RefSeq, Mar 2011]

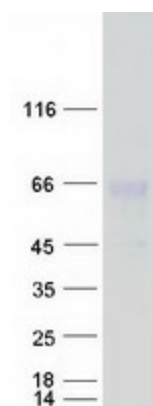
Product images:



Circular map for RC203625



Western blot validation of overexpression lysate (Cat# [LY403190]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203625 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BSCL2 protein (Cat# [TP303625]). The protein was produced from HEK293T cells transfected with BSCL2 cDNA clone (Cat# RC203625) using MegaTran 2.0 (Cat# [TT210002]).