

Recombinant Human BSCL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BSCL2-5326H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BSCL2 MS Standard C13 and N15-labeled recombinant protein (NP_116056) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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).
Molecular Mass	44.2 kDa
AA Sequence	MVNDPPVPALLWAQEVGQVLAGRARRLLLQFGVLFCTILLLLWVSVFLYGSFYYSYM PTVSHLSPVHFYYRTDCDSSTTSLCSFPVANVSLTKGGRDRVLMYGQPYRVTTLELE LPESPVNQDLGMFLVTISCYTRGGRIISTSSRSVMLHYRSDLLQMLDTLVFSSLLLF FAEQKQLLEVELYADYRENSYVPTTGAIIHISKRIQLYGAYLRIHAHFTGLRYLLYNF

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PMTCAFIGVASNFTFLSVIVLFSYMQWVWGGIWPRHRFSLQVNIRKRDNSRKEVQR
 RISAHQPGAGPEGQEESTPQSDVTEDGESPEDPSGTEGQLSEEEKPDQQPLSGEE
 ELEPEASDGSGSWEDAALLTEANLPAPAPASASAPVLETLGSSSEPAGGALRQRPTC
 SSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BSCL2 BSCL2 lipid droplet biogenesis associated, seipin [Homo sapiens (human)]

Official Symbol BSCL2

Synonyms BSCL2; Berardinelli-Seip congenital lipodystrophy 2 (seipin); GNG3LG, spastic paraplegia 17 (Silver syndrome), SPG17; seipin; Bernardinelli-Seip congenital lipodystrophy type 2 protein; HMN5; SPG17; GNG3LG; MGC4694; FLJ16651;

Gene ID 26580

mRNA Refseq NM_032667

Protein Refseq NP_116056

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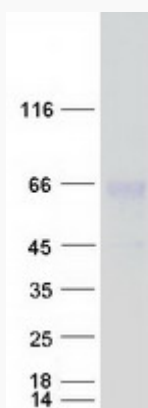
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MIM 606158

UniProt ID Q96G97

SDS-PAGE



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