

Product datasheet for **SC318033**

Lamin B2 (LMNB2) (NM_032737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lamin B2 (LMNB2) (NM_032737) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMNB2
Synonyms:	EPM9; LAMB2; LMN2; MCPH27
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_032737, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGCCACGCCGCTGCCCGGCCGCGGGCGGGCCCGCCACGCCGCTGTCGCCACGCGC CTGTCCGGCTGCAGGAGAAGGAGGAGCTGCGCGAGCTCAACGACCGCTGGCGCACTAC ATCGACCCGCTCCGCGCCTGGAGCTGGAGAACGACCGGCTCCTGCTCAAGATCTCAGAG AAGGAGGAGGTGACCACGCGGAGGTGAGTGGCATCAAGGCGCTGTACGAGTCGGAGCTG GCCGATGCCCGGAGAGTCTGGATGAGACGGCTCGAGAGCGTGCCCGGCTGCAGATAGAG ATTGGGAAGCTGAGGGCAGAGTTGGACGAGGTCAACAAGAGCGCCAAGAAGAGGGAGGGC GAGCTTACGCTGCCCCAGGGCCGTGTAAGGACCTGGAGTCCCTGTTCCACCGGAGCGAG GTGGAGCTGGCAGCTGCCCTCAGCGACAAGCGCGGCTGGAGAGTGACGTGGCTGAGCTG CGGGCCAGCTGGCCAAGGCCGAGGACGGTCATGCAGTGGCCAAAAGCAGCTGGAGAAG GAGACGCTGATGCGTGTGGACCTGGAGAACCGCTGCCAGAGCCTGCAGGAGGAGCTGGAC TTCCGGAAGAGTGTGTTCCGAGGAGGAGGTGCGGGAGACGCGGGCGGCGCACGAGCGGCGC CTGGTGGAGGTGGACAGCAGCCGCGCAGGAGTACGACTTCAAGATGGCACAGGCGCTG GAGGAGCTGCGGAGCCAGCACGAGCAGCAAGTGGCGCTCTACAAGCTGGAGCTGGAGCAG ACCTACCAGGCCAAGCTGGACAGCGCCAAGCTGAGCTCTGACCAGAACGACAAGGCGGCC AGTGCGGCTCGCGAGGAGCTGAAGGAGGCCCGCATGCGCCTGGAGTCCCTCAGTACCAG CTCTCCGGCTCCAGAAGCAGGCCAGTGGCGTGAAGATCGCATTCCGGGAGCTGGAGGAG GCCATGGCCGGGAGCGGGACAAGTTCCGGAAGATGCTGGACGCCAAGGAGCAGGAGATG ACGGAGATGCGGGACGTGATGCAGCAGCAGCTGGCCGAGTACCAGGAGCTGCTGGACGTG AAGCTGGCCCTGGACATGGAGATCAACGCCTACCGGAAGCTCCTGGAGGGCGAGGAGGAG AGGCTGAAGCTGTCCCCAGCCATCCTCGCGCTCACCCTCACGAGCCACCTCGAGC AGCAGCGGACGTTGTCCGCCACCGGGCGCTGGGCCGAGTAAGCGGAAGCGGCTGGAG GTGGAGGAGCCCTTGGGACGCGGCCAAGCGTCTGGGCACGGGCACGGGTGGCAGCGGT GGCTTCCACCTGGCCAGCAGGCCCTCGGCTCGGGTAGCGTCAGCATCGAGGAGATCGAC CTGGAGGGCAAGTTTGTGCGAGCTCAAGAACAACCTCGGACAAGGATCAGTCTCTGGGGAAC TGGAGAATCAAGAGGCAGGTCTTGGAGGGGGAGGAGATCGCCTACAAGTTCACGCCCAAG TACATCTGCGCGCCGGCCAGATGGTCACGGTGTGGCAGCTGGTGGGGGTGGCCAC AGCCCCCTCGACGCTGGTGTGGAAGGGCCAGAGCAGCTGGGGCACGGGCGAGAGCTTC CGCACCGTCTGGTTAACCGGATGGCGAGGAAGTGGCCATGAGGACTGTGAAGAAGTCC TCGGTGTGCGTGAAGAATGAGAATGGGGAGGAAGAGGAGGAGGAAGCCGAGTTTGGCGAG GAGGATCTTTCCACCAACAGGGGGACCCGAGGACCACCTCAAGAGGCTGCTACGTGATG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_032737
OTI Disclaimer:	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).
OTI Annotation:	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.
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.

RefSeq: [NM_032737.2](#), [NP_116126.2](#)

RefSeq Size: 4653 bp

RefSeq ORF: 1803 bp

Locus ID: 84823

UniProt ID: [Q03252](#)

Cytogenetics: 19p13.3

Domains: IF_tail, filament

Gene Summary: This gene encodes a B type nuclear lamin. The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Mutations in this gene are associated with acquired partial lipodystrophy. [provided by RefSeq, May 2012]