

Product datasheet for **SC327346**

Filamin B (FLNB) (NM_001164318) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Filamin B (FLNB) (NM_001164318) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLNB
Synonyms:	ABP-278; ABP-280; AOI; FH1; FLN-B; FLN1L; LRS1; SCT; TABP; TAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164318, the custom clone sequence may differ by one or more nucleotides

```
ATGCCGGTAACCGAGAAGGATCTAGCTGAGGACGCGCCTTGAAGAAGATCCAGCAGAAC
ACGTTTCACACGCTGGTGCAACGAGCACCTCAAGTGCGTGAACAAACGCATCGGCAACCTG
CAGACCGACCTGAGCGACGGGCTGCGGCTCATCGCGCTGCTCGAGGTGCTCAGCCAGAAG
CGCATGTACCGCAAGTACCATCAGCGGCCACCTTTCGCCAGATGCAGCTCGAGAATGTG
TCCGTGGCGCTCGAGTTCCTGGACCGTGAGAGCATCAAGCTCGTGTCCATCGATAGCAAA
GCCATTGTGGATGGAACTGAAGCTCATCTTGGGTCTGGTGTGGACGCTGATCCTCCAC
TACTCCATCTCCATGCCCGTGTGGGAGGATGAAGGGGATGATGATGCCAAGAAGCAGACG
CCAAAGCAGAGGCTGCTGGGGTGGATTGAGCAACAAGATCCCTACTTGCCCATCACCAAC
TTTAACCGAAGTGGCAAGACGGCAAGCCCTGGGAGCCCTGGTAGACAGCTGTGCTCCA
GGTCTGTGCCAGACTGGGAATCCTGGGACCCGCAAGAAGCCTGTGGATAATGCACGAGAA
GCCATGCAGCAGGAGATGACTGGTGGGTGTCCACAGGTCATCACTCCTGAAGAAATC
ATTCACCCGGATGTGGACGAGCACTCAGTTATGACTTACCTGTCCAGTCCCAAGGCC
AAGCTCAAGCCGGGGGCTCCTCTCAAACCCAACTCAACCCGAAGAAAGCCAGGGCCTAT
GGCAGAGGAATCGAGCCCACTGGAAACATGGTGAAGCAGCCAGCCAAGTCACTGTGGAC
ACCATCAGCGCCGGGCAAGGAGACGTGATGGTGTGGTGTGGAGACCCAGAAGGGAACAAA
GAGGAGGCACAAGTGACCCCTGACAGTGACAAGAACAAGACATACTCTGTGGAGTATCTG
CCCAAGGTCACCGGGCTACACAAAGTCACAGTCCTCTTTGCAGGACAGCACATCTCCAAG
AGCCCATTTGAAGTGAGTGTGACAAGGCCAGGGAGATGCCAGTAAAGTCACTGCAAAA
GGTCCAGGGTTGGAAGCTGTAGGGAACATCGCCAATAAGCCACCTACTTTGACATCTAT
ACGGCAGGAGCTGGTGTGGGTGACATTGGTGTGGAGGTGGAAGATCCCCAGGGGAAGAAC
ACCGTGGAGTTGCTCGTGAAGACAAAGGAAACCAGGTGTATCGATGTGTGTACAAACCC
ATGCAGCCTGGCCCTCACGTGGTCAAGATCTTCTTTGCTGGGACACTATTCTAAGAGT
CCCTTCGTTGTGACAGTTGGGGAAGCCTGCAATCCAAATGCCGCGGGCCAGTGGCCGA
GGCCTACAACCCAAAGGCGTCCGTATCCGGGAGACCACAGATTTCAAGGTTGACACCAAA
GCTGCAGGAAGTGGGAGCTCGGTGTAACCATGAAGGGTCTAAGGGTCTGGAGGAGCTG
```



[View online »](#)

GTGAAGCAGAAAGACTTTCTGGATGGGGTCTACGCATTTCGAGTATTACCCCAGCACCCCC
 GGGAGATACAGCATTGCCATCACATGGGGGGACACCACATTCCAAAGAGCCCCTTTGAA
 GTTCAAGTTGGCCCTGAAGCGGGTATGCAGAAAGTCCGTGCTTGGGGCCCTGGGCTCCAT
 GGTGGGATTGTCGGGCGGTACAGCGGACTTCGTGGTAGAATCCATTGGCTCTGAAGTGGGG
 TCTCTGGGGTTTGCCATTGAAGGCCCTCTCAGGCAAAGATTGAGTACAACGACCAGAAT
 GATGGATCGTGTGATGTCAAATACTGGCCAAAGGAGCCTGGCGAATATGCTGTTACATC
 ATGTGTGACGACGAAGACATCAAGGACAGCCCGTACATGGCCTTACCCACCCAGCCACG
 GGAGGCTACAACCCTGATCTGGTTCGAGCATACGGGCCAGGTTTGGAGAAATCTGGATGC
 ATTGTCAACAACCTGGCCGAGTTCACTGTGGATCCTAAGGATGCTGGAAAAGCTCCCTTA
 AAGATATTTGCTCAGGATGGGAAGGCCAACGCATTGACATCCAGATGAAGAACCGGATG
 GACGGCACATATGCATGCTACACACCCCGGTGAAGGCCATCAAGCACACCATTGCTGTG
 GTCTGGGGAGGCGTGAACATCCCGCACAGCCCTACAGGGTCAACATCGGGCAAGGTAGC
 CATCCTCAGAAGGTCAAAGTGTGGGCCAGGTGTGGAGAGAAGTGGTCTGAAGGCAAAT
 GAACCTACACACTTACGGTGGACTGTACTGAGGCTGGGAAGGTGATGTCAGTGTGGC
 ATTAAGTGTGATGCCCGGTGTTAAGTGAAGATGAGGAAGACGTGGATTTTGACATTATT
 CACAATGCCAATGATACGTTACAGTCAAATATGTGCCTCCTGCTGCTGGCGGATACACT
 ATCAAAGTTCTCTTTGCATCTCAGGAAATCCCCGCCAGCCCTTTCAGAGTCAAAGTTGAC
 CCTTCCCACGATGCCAGCAAAGTGAAGGCAGAAGGCCAGGGCTCAGCAAAGCAGGTGTG
 GAAAATGGGAAACCGACCCACTTCACTGTCTACACCAAGGGGGCTGGGAAAGCCCGCTC
 AACGTGCAGTTCAACAGCCCTTCTCCTGGCGATGCAGTGAAGGATTTGGATATCATCGAT
 AATTATGACTACTCTCACACGGTTAAATATACACCCACCAACAGGGCAACATGCAGGTT
 CTGGTGACTTACGGTGGCGATCCCATCCCTAAAAGCCCTTCACTGTGGGTGTTGCTGCA
 CCGCTGGATCTGAGCAAGATAAAACTCAATGGGCTGAAAAACAGGTGGAAGTTGGGAAG
 GATCAGGAGTTACCGTTGATACACAGGGGGCAGGAGGCCAGGGGAAGCTGGACGTGACA
 ATCCTCAGCCCTCTCGGAAGGTCTGCATGCCTAGTGACACCTGTGACAGGCCGGGAG
 AACAGCACGGCAAGTTCATCCCTCGGGAGGAGGGGCTGTATGCTGTAGACGTGACCTAC
 GATGGACACCCTGTGCCCGGGAGCCCTACACAGTGGAGGCCCTCGCTGCCACCAGATCCC
 AGCAAGGTGAAGGCCACGGTCCCGCCCTCGAAGGTGGTCTCGTGGGCAAGCCTGCCGAG
 TTCACCATCGATACCAAAGGAGCTGGTACTGGAGGTCTGGGCTAACGGTGAAGTCCG
 TCGGAGGCCAAAATCGAGTGTCCGACAATGGTATGGGACCTGCTCCGTCTTTACCTT
 CCCACAAAACCCGGGGAGTACTTCGTCAACATCCTCTTTGAAGAAGTCCACATACCTGGG
 TCTCCCTTCAAAGCTGACATTGAAATGCCCTTTGACCCCTCTAAAGTCTGGGCATCGGGG
 CCAGGTCTCGAGCACGGGAAGGTGGGTGAAGCTGGCCTCCTTAGCGTCGACTGCTCGGAA
 GCGGGACCGGGGGCCCTGGGCTGGAAGCTGTCTCGGACTCGGGAACAAAAGCCGAAGTC
 AGTATTGAGAACAACAAAGATGGCACCTACGCGGTGACCTACGTGCCCTGACGGCCGGC
 ATGTACACGTTGACCATGAAGTATGGTGGCGAACTCGTGCCACACTTCCCCGCCCGGGTC
 AAGGTGGAGCCCGCCGTGGACACCAGCAGGATCAAAGTCTTTGGACCAGGAATAGAAGGG
 AAAGATGTGTTCCGGGAAGCTACCACCGACTTTACAGTTGACTCTCGGCCGTGACCCAG
 GTTGGGGTGACCACATCAAGGCCACATTGCCAACCCCTCAGGGGCTCCACCGAGTGC
 TTTGTACAGACAATGCGGATGGGACCTACCAGGTGGAATACACACCCTTTGAGAAAGGT
 CTCATGTAGTGGAGGTGACATATGATGACGTGCCTATCCCAAACAGTCCCTTCAAGGTG
 GCTGTCACTGAAGGCTGCCAGCCATCTAGGGTGAAGCCAAAGGACCTGGATTGAAAGAG
 GCCTTTACCAACAAGCCCAATGTCTTACCCTGGTTACCAGAGGCGCAGGAATTGGTGGG
 CTTGGCATAACTGTTGAGGGACCATCAGAGTGAAGATAAATTGCAGAGACAACAAGGAT
 GGCAGTGCAGTGTGAGTACATTCCTTTCGCACCGGGGGATTACGATGTTAATATCACA
 TATGGAGGAGCCACATCCCGGCAGCCCTTTCAGGGTTCCTGTGAAGGATGTTGTGGAC
 CCCAGCAAGGTCAAGATTGCCGGCCCCGGGCTGGGCTCAGGCGTCCGAGCCCGTGTCTG
 CAGTCTTACCGTGGACAGCAGCAAGGCTGGCCTGGCTCCGCTGGAAGTGAAGGTTCTG
 GGCCACGAGGCTTGGTGGAGCCAGTGAACGTGGTGGACAATGGAGATGGCACACACACA
 GTAACCTACACCCATCTCAGGAGGGACCTTACATGGTCTCAGTTAAATATGCTGATGAA
 GAGATTCCTCGCAGTCCCTTCAAGGTCAAGGCTCCTTCCACATATGATGCCAGCAAAGTG
 ACTGCCAGTGGCCCCGGCCTTAGTTCCTATGGTGTGCCTGCCAGTCTACCTGTGGACTTT

GCAATTGATGCCCGAGATGCCGGGAAGGCCTGCTTGCTGTTCAAATAACGGACCAAGAA
 GGAAAACCCAAAAGAGCCATTGTCCATGACAATAAAGATGGCACGTATGCTGTCACCTAC
 ATCCCCGACAAGACTGGGCGCTATATGATTGGAGTCACCTACGGGGGTGACGACATCCCA
 CTTTCTCCTTATCGCATCCGAGCCACACAGACGGGTGATGCCAGCAAGTGCCTGGCCACG
 GGTCTGGAATCGCTCCACTGTGAAAACCTGGCGAAGAAGTAGGCTTTGTGGTTGATGCC
 AAGACTGCCGGGAAGGGTAAAGTGACCTGCACGGTTCTGACCCAGATGGCACTGAGGCC
 GAGGCGGATGTCATTGAGAATGAAGATGGAACCTATGACATCTTCTACACAGTGCCAAG
 CCGGGCACATATGTGATCTATGTGCGCTTCGGTGGTGTGATATTCTAACAGCCCTTC
 ACTGTCATGGCCACAGATGGGGAAGTCACAGCCGTGGAGGAGGCACCGGTGACCGAAGAG
 GCCTATGTCCCAGTGAGTGACATGAACGGCCTGGGATTTAAGCCTTTTGACCTGGTCATT
 CCGTTTGTGCTCAGGAAAGGAGAAATCACTGGAGAGGTCCACATGCCTTCTGGGAAGACA
 GCCACACCTGAGATTGTGGACAACAAGGACGGCACGGTCACTGTTAGATATGCCCCACT
 GAGGTCCGGCTCCATGAGATGCACATCAAATACATGGGCAGCCACATCCCTGAGAGCCCA
 CTCAGTTCTACGTGAACACCCCAACAGTGGAAGTGTCTGCATACGGTCCAGGCCTC
 GTGTATGGAGTGGCCAACAAAACCTGCCACCTTCACCATCGTCACAGAGGATGCAGGAGAA
 GGTGGTCTGGACTTGGCTATTGAGGGCCCTCAAAGCAGAAATCAGCTGCATTGACAAT
 AAAGATGGGACATGCACAGTGACCTACCTGCCACTCTGCCAGGGGACTACAGCATTCTG
 GTCAAGTACAATGACAAGCACATCCCTGGCAGCCCTTCACAGCCAAGATCACAGATGAC
 AGCAGGCGGTGCTCCCAGGTGAAGTTGGGCTCAGCCGCTGACTTCTGCTCGACATCAGT
 GAGACTGACCTCAGCAGCTGACGGCCAGCATTAAAGCCCCATCTGGCCGAGACGAGCCC
 TGTCTCCTGAAGAGGCTGCCAACAACCACATTGGCATCTCCTTCATCCCCGGGAAGTG
 GGCAACATCTGGTCAGCATCAAGAAAAATGGCAACCATGTGGCAACAGCCCCGTGTCT
 ATCATGGTGGTCCAGTCGAGATTGGTGACGCCCGCCGAGCCAAAGTCTATGGCCCGGC
 CTGTGAGAAGGCCGGACTTTCGAGATGTCTGACTTCATCGTGGACACAAGGGATGCAAGT
 TATGGTGGCATATCCTTGGCGGTGGAAGGCCCCAGCAAAGTGGACATCCAGACGGAGGAC
 CTGGAAGATGGCACCTGCAAAGTCTCCTACTTCCCTACCGTGCCTGGGGTTTATATCGTC
 TCCACCAAATTCGCTGACGAGCAGTGCCTGGGAGCCATTTACCGTGAAGATCAGTGGG
 GAGGGAAGAGTCAAAGAGAGCATCACCCGACCAGTCGGGCCCGTCCGTGGCCACTGTC
 GGGAGCATTTGTGACCTGAACCTGAAAATCCCAGAAATCAACAGCAGTGATATGTCGGCC
 CACGTCACCAGCCCTCTGGCCGTGACTGAGGCAGAGATTGTCCCATGGGGAAGAAC
 TCACACTCGGTCCGGTTTGTGCCAGGAGATGGGCGTGCACACGGTCAGCGTCAAGTAC
 CGTGGGCAGCACGTCACCGGCAGCCCTTCCAGTTCACCGTGGGGCCACTTGGTGAAGGA
 GGCGCCCAACAAGGTGCGGGCAGGAGGCCCTGGCCTGGAGAGAGGAGAAGCGGGAGTCCCA
 GCTGAGTTCAGCATTGGACCCGGGAAGCAGGCCTGGAGGCCTCTCCATCGCTGTTGAG
 GGCCCCAGTAAGGCCGAGATTACATTGATGACCATAAAAATGGGTGCTGCGGTGTATCT
 TATATTGCCCAAGAGCCTGGTAACTACGAGGTGTCATCAAGTTCAATGATGAGCACATC
 CCGAAAGCCCTACCTGGTGCCGGTATCGCACCCCTCCGACGACGCCCGCCGCTCACT
 GTTATGAGCCTTCAGGAATCGGGATTAAGTTAAACAGCCAGCATCCTTTGCTATAAGG
 TTGAATGGCGCAAAAGGCAAGATTGATGCAAAGGTGCACAGCCCTCTGGAGCCGTGGAG
 GAGTGCCACGTGCTGAGCTGGAGCCAGATAAGTATGCTGTTGCTTTCATCCCTCATGAG
 AATGGTGTCCACACCATCGATGTCAAGTTCAATGGGAGCCACGTGGTTGGAAGCCCTTC
 AAAGTGCCTGTTGGGAGCCTGGACAAGCGGGGAACCCTGCCCTGGTGTCCGCTATGGC
 ACGGGACTCGAAGGGGGCACCACAGGTATCCAGTCGGAATTTTATTAACACCACCCGA
 GCAGGTCCAGGGACATTATCCGTCACCATCGAAGGCCATCCAAGGTTAAAATGGATTGC
 CAGGAAACACCTGAAGGGTACAAAGTATGTACACCCCATGGCTCCTGGTAACTACCTG
 ATCAGCGTCAAATACGGTGGGCCAACCACATCGTGGGCAGTCCCTTCAAGGCCAAGGTG
 ACAGGCCAGCGTCTAGTTAGCCCTGGCTCAGCCAACGAGACCTCATCCATCCTGGTGGAG
 TCAGTGACCAGGTGCTACAGAGACCTGCTATAGCGCCATCCCAAGGCATCCTCGGAC
 GCCAGCAAGGTGACCTCTAAGGGGGCAGGGCTCTCAAAGGCCCTTGTGGGCCAGAAGAGT
 TCCTTCTGTTGGACTGCAGCAAAGCTGGCTCCAACATGCTGCTGATCGGGTCCATGGG
 CCCACCACCCCTGCGAGGAGGTCTCCATGAAGCATGTAGGCAACCAGCAATACAACGTC
 ACATACGTGCTCAAGGAGAGGGGCGATTATGTGCTGGCTGTGAAGTGGGGGGAGGAACAC

ATCCCTGGCAGCCCTTTTCATGTCACAGTGCCT

Restriction Sites:

Please inquire

ACCN:

NM_001164318

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_001164318.1, NP_001157790.1

RefSeq Size:

9434 bp

RefSeq ORF:

7776 bp

Locus ID:

2317

UniProt ID:

O75369

Cytogenetics:

3p14.3

Protein Pathways:

Focal adhesion, MAPK signaling pathway

Gene Summary:

This gene encodes a member of the filamin family. The encoded protein interacts with glycoprotein Ib alpha as part of the process to repair vascular injuries. The platelet glycoprotein Ib complex includes glycoprotein Ib alpha, and it binds the actin cytoskeleton. Mutations in this gene have been found in several conditions: atelosteogenesis type 1 and type 3; boomerang dysplasia; autosomal dominant Larsen syndrome; and spondylocarpotarsal synostosis syndrome. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Nov 2009]

Transcript Variant: This variant (3) lacks an alternate in-frame exon and uses an alternate splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 3) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.