

## Product datasheet for **SC327348**

### Filamin B (FLNB) (NM\_001164317) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Filamin B (FLNB) (NM_001164317) 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-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001164317 edited  
 ATGCCGGTAACCGAGAAGGATCTAGCTGAGGACGCGCCTTGAAGAAGATCCAGCAGAAC  
 ACGTTCACACGCTGGTGAACGAGCACCTCAAGTGCCTGAACAAACGCATCGGCAACCTG  
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AACGTCACATACGTCGTCAAGGAGAGGGGCGATTATGTGCTGGCTGTGAAGTGGGGGGAG  
 GAACACATCCCTGGCAGCCCTTTTCATGTACAGTGCCTTAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001164317
<b>Insert Size:</b>	9600 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001164317.1</a></u> , <u><a href="#">NP_001157789.1</a></u>
<b>RefSeq Size:</b>	9560 bp
<b>RefSeq ORF:</b>	7902 bp
<b>Locus ID:</b>	2317
<b>UniProt ID:</b>	<u><a href="#">O75369</a></u>
<b>Cytogenetics:</b>	3p14.3
<b>Protein Pathways:</b>	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 (1) represents the longest transcript and encodes the longest protein (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.