

## Product datasheet for **SC109214**

### Fibulin 1 (FBLN1) (NM\_001996) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 1 (FBLN1) (NM_001996) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fibulin 1
Synonyms:	FBLN; FIBL1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001996, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCCTCCGCTGCTGCTGCTCGGCGCCTTGGCTGCTGG
CGGCCGGAGTGGACGCGGATGTCCTCCTGGAGGCCTGCTGTGCGGACGGACACCGGATGGCCACTCATCA
GAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTGCAGGAGCAGTGTGCCAC
AGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGC
CCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAG
GGCGGCCAGGCCAGGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC
CGGGCATGCTGTGTCAAGAGCCAGGAGACCGGAGATTTGGATGTGCGGGGCCTCCAAGAAACGGATAAGA
TCATTGAGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCGCTGCCGAGGAGGGGGCCCTGCAA
GCAGCAGTCCGAGACACGGGTGACGAGGTGGTCTGCTCCTGCTTCGTTGGCTACCAGTGTGTCTGAT
GGTGTCTCCTGTGAAGATGTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGGAGAATCCTGCA
TCAACACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGCCGGACTGGCTATGAGCTCACAGAGGA
CAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTCATAACTGCCTCCCCGATTTTATCTGTGAG
AATACTCTGGGATCCTTCCGCTGCCGACCCAAGCTACAGTGAAGAGTGGCTTTATAAAGATGCTCTAG
GCAACTGTATTGATATCAATGAGTGTGGAGTATCAGTGCCTTATCGGGCATAACATGCATCAA
CACAGAGGGCTCTACACGTGCCAGAAGACGTGCCCAACTGTGGCCGTGGCTACCATCTCAACGAGGAG
GGAACGCGCTGTGTTGATGTGGACGAGTGCAGCCACCTGCTGAGCCCTGTGGGAAGGGACATCGCTGCC
TGAAGTCTCCCGGAGTTCCGCTGCGAATGCAAGACGGGTTACTATTTGACGGCATCAGCAGGATGTG
TGTCGATGTCAACGAGTGCAGCGCTACCCCGGGCGCTGTGTGGCCACAAGTGCAGGATCATGTGAAGACATCAATG
TCCTACCTCTGCAGCTGTTCCGTTGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAATG
AGTGCAGCAGCAGCCCTGTAGCCAGGAGTGTGCCAAGCTCTACGGCTCCTACCAGTGTACTGCCGGCG
AGGCTACCAGCTCAGCGATGTGGATGGAGTCACTGTGAAGACATCGACGAGTGCAGCCTGCCACCGGG
GGCCACATCTGCTCCTACCCTGCATCAACATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCT
ACAGGCTGGCCCCAATGGCCGCAACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAAGTCTC
CATCAACGAGACCTGCTTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCTGAGAACTAC
CGCCGCTCCGAGCCACCGCTGTGAGCGCTTGCCTTGCATGAGAATCGGGAGTGTCCAAGCTGCCTC
TGAGAATAACCTACTACCCTCTCTTTCCCAACATCCAAGCGCCCGGGTGGTTTTCCGCATGGG
CCCCTCCAGTGTGTCCCGGGGACAGCATGCAGCTGGCCATCACCGCGGCAATGAGGAGGGCTTTTTTC
ACCACCCGGAAGGTGAGCCCCACAGTGGGGTGGTGGCCCTACCAAGCCTGTCCCAGGCCAGGGACT
TGCTCCTGACCGTCAAGATGGATCTCTCTGCCACGGCACCGTCACTCTTTGTGGCAAGCTTTTCAT
CTTTGTGTCTGCAGAGCTCTGA
    
```

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001996 unedited</p> <pre> NGTTACCATTTGTATACGACTTACTATAGGCGGCCGGAATTCGCACGAGGCCACCGCC CGTCGCCCCGCGCCCATGNAGCGCGCCGCGCCGTGCGCCGGGTCCCCTTCCGCTGCTG CTGCTCGGCGGCTTGCCTGCTGGCGGCGGAGTGGACGCGGATGTCTCTGGAGGCC TGCTGTGCGGACGGACACCGGATGGCCACTCATCAGAAGGACTGCTCGCTGCCATATGCT ACGGAATCCAAAGAATGCAGGATGGTGCAGGAGCAGTGTCCACAGCCAGCTGGAGGAG CTGCACGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGCCCCAC GGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTG GGGAGGGCGGCCAGGCCAGGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAG TGTGGACAGGTCTTCCGGGCATGCTGTGTCAAGAGCCAGGAGACCGGAGATTTGGATGTC GGGGGCCCTCAAGAAACGGATAAGATCATTGAGGTTGAGGAGGAACAAGAGGACCCATAT CTGAATGACCGCTGCCGAGGGCGGCCCTGCAAGCAGCAGTCCGAGACACGGGTGACGAG GTGGTCTGCTCTGCTTCTGTTGGCTACCAGCTGCTGTCTGATGGTGTCTCTGTGAAGAT GTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGAGAAATCCTGCATCAACACA GTGGGCTCTTTCCGCTGCCAGCGGGACAGCAGCTGCGGGACTGGCTATGAGCTCACAGAG GACAATAGCTGCNAAGATATGACGAGTGTGAGAGTGGTATTCATAACTGCCTNCCCGATT TNATCTGTCAGATACTCTGGGATCCTTNCGCTGCCGACCCAGCTACAGTGCAGAGTGGCT TATACAAN </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001996 unedited</p> <pre> CCGCGTATTGTGGGCGCTGCTAATTTTATTAAGCCCCGGAGGCAGGTTAGGAAAGCAACA GAGGGAGACCCCCGACGCGAAGCGAGTGTCTCAGAGCTCTGCAGACACAAAGATGAAAAG CTTGGCCACAAAGGAGCTGACGGTGCCGTGGCGAGAGAGATCCATCTTGACGGTCAGGAG CAAGTCCCTGGGCTCGGGGACAGGCTTGGTGAAGGCCACACCCCACTGTGGGGGCTCAC CTTCCGGGTGGTAAAAAGCCCTCCTCATTGCCCGCGGTGATGGCCAGCTGCATGCTGTC CCCGGGGACAGCACTGGAGGGGCCCATGCGGAAAACCACCGGGCGCTTGGATGTTGGT GGGGAAAGAGAGGTGGTAGTAGTTATTCTCAGAGGCAGCTTGGAGCACTCCCGATTCTC ATGGCAAGGCAAGCGCTCACAGCGGGTGGCTGCGGAGCGCGGTAGTTCTCAGGGCACTC GAAGGCCAGGCAGCGGAAGCCGCCCTGGATGTTGAAGCAGTCTCGTTGATGGAGCAGTT GTGGATGCCAGTACACACTCATCAATGTCTTGGCAGTTGCGGGCATTGGGGGCCAGCCT GTAGCCAGACGAGGGGCAGCTGCACTGGAAGCTTCCAGGGATGTTGATGCAACGGTAGGA GCAGATGTGGCCCCGGTGGGCAAGGCGCACTCGTCGATGCTTTCACAGGTGACTCCATT CAAATCGCTGAGCTGGTAGCCTCCGCGGCACTTAACTTGGTGTGAGCCGTAACGTTG GCACACTTCTGGTTACCGGGGCTGTTGCTGCACCCCTTGTGTTTTACACGACCCGGCT TCCACAGAAAGCCGCAACCCCTGTACATT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001996
<b>Insert Size:</b>	2500 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>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).

**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\\_001996.2](#), [NP\\_001987.2](#)

**RefSeq Size:** 2312 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 2192

**UniProt ID:** [P23142](#)

**Cytogenetics:** 22q13.31

**Domains:** ANATO, EGF\_CA, EGF, EGF

**Protein Families:** Secreted Protein

**Gene Summary:** Fibulin 1 is a secreted glycoprotein that becomes incorporated into a fibrillar extracellular matrix. Calcium-binding is apparently required to mediate its binding to laminin and nidogen. It mediates platelet adhesion via binding fibrinogen. Four splice variants which differ in the 3' end have been identified. Each variant encodes a different isoform, but no functional distinctions have been identified among the four variants. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (C) has an alternate 3' sequence, as compared to variant D. The encoded isoform C is shorter and has a distinct C-terminus, as compared to isoform D.