

Product datasheet for **SC116062**

Fibulin 1 (FBLN1) (NM_006486) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 1 (FBLN1) (NM_006486) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fibulin 1
Synonyms:	FBLN; FIBL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116062 sequence for NM_006486 edited (data generated by NextGen Sequencing)

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ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCCTCCGCTCCGCTGCTGCTGCTCGGCGGCCTT
GCGCTGCTGGCGGCCGGAGTGGACGCGGATGTCCTCCTGGAGGCCTGCTGTGCGGACGGA
CACCGGATGGCCACTCATCAGAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAGAA
TGCAGGATGGTGCAGGAGCAGTGTGCCACAGCCAGCTGGAGGAGCTGCACTGTGCCACG
GGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGCCCCACGGTGACAACGCCAGC
CTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAGGGCGGCCAG
GCCAGGGCCAGAGCTGCGAGTACAGCCTCATGTTGGCTACCAGTGTGGACAGGTCTTC
CGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCCTCCAAGAA
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CGAGGAGGCGGGCCCTGCAAGCAGCAGTCCGAGACACGGGTGACGAGGTGGTCTGCTCC
TGCTTCGTTGGCTACCAGCTGCTGTCTGATGGTGTCTCCTGTGAAGATGTCATGAATGC
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AAAGATATTGACGAGTGTGAGAGTGGTATTCATAACTGCCTCCCCGATTTTATCTGTCAG
AATACTCTGGGATCCTTCCGCTGCCGACCAAGCTACAGTGAAGAGTGGCTTTATACAA
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TGTGGCCGTGGCTACCATCTCAACGAGGAGGGAACGCGCTGTGTTGATGTGGACGAGTGC
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CGCTGCGAATGCAAGACGGGTTACTATTTGACGGCATCAGCAGGATGTGTGTCGATGTC
AACGAGTGCACGCGCTACCCCGGGCGCCTGTGTGGCCACAAGTGCAGAGAACACGCTGGGC
TCCTACCTCTGCAGCTGTTCCGTGGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAA
GACATCAATGAGTGCAGCAGCAGCCCTGTAGCCAGGAGTGTGCCAACGTCTACGGCTCC
TACCAGTGTACTGCCGGCAGGCTACCAGCTCAGCGATGTGGATGGAGTACCTGTGAA
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ATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCTACAGGCTGGCCCCAATGGC
CGCAACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAAGTGTCCATCAACGAG
ACCTGCTTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCTGAGAACTAC
CGCGCTCCGACGACGCTCCAGCAGGAGAAGACAGACACGGTCCGCTGCATCAAGTCC
TGCCGCCCAACGATGTCACATGCGTGTTCGACCCCGTGCACACCATCTCCACACCGTC
ATCTCGCTGCCTACCTTCCGCGAGTTCACCCGCCCTGAAGAGATCATCTTCTCCGGGCC
ATCACGCCACCGCATCCTGCCAGCCAGGCTAACATCATCTTCGACATCACGGAAGGGAAC
CTGCGGGACTCTTTTACATCATCAAGCGTTACATGGACGGCATGACCGTGGGTGTCTGTG
CGCCAGGTGCGGGCCATCGTGGGCCATTTTCATGCCGCTCTGAAGCTGGAGATGAACTAT
GTGGTCCGGGGCGTGGTCTCCACCGAAATGTTGTCAACGTCCACATCTTCTGCTCTGAG
TACTGGTTCTGA

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Clone variation with respect to NM_006486.2
 963 c=>y

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006486 unedited</p> <pre> NGGAAGCCGTTTNGATATTTGTATACGACTTACTATAGGGNCCGGCCGCAATTCGGC ACGAGGGCGGCCCTGGCCAGCGTTGGCTGCCGAGGCTCGGCCGGAGCGTGGAGCCCGC CCGCTGCCCCAGGACCGCGCCCGCCCTTTGTCCGCCGCCGCCACCGCCCGTCCGCCG CGCCATGGAGCGCGCCGCGCGCTCGCGCCGGTCCCCTTCCGCTGCTGCTGCTCGGC GCCTTGCCTGCTGGCGCCGGAGTGGACGCGGATGTCCTCTGGAGGCCTGCTGTGCGG ACGGACACCGGATGGCCACTCATCAGAAGGACTGCTCGCTGCCATATGCTACGGAATCCA AAGAAATGCAGGATGGTGCAGGAGCAGTGTGCCACAGCCAGCTGGAGGAGCTGCACTGTG CCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGCCCCACGGTGACAACG CCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAGGGCGG CCCAGGCCAGGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGG TCTTCCGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCTCC AAGAAACGGATAAGATCATTGAGGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACC GCTGCCGAGGGAGCGGGCCCTGCAAGCAGCAGTCCGAGACACGGGTGAACGAGGTGGTC TGCTCCTGCTTCGTGGGCTACCAGCTGCTGTCTGATGGTGTCTCCTGTGGAGATGTCAAT GAATGCATCACGGGCAGCCACAGCTGCCGGCTTGGGAGAATCTGCATC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006486 unedited</p> <pre> GCGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTAAAGGAGGATCACAAAGT TGTTTTATTTCCACCTATAAAAAAAGAGGATGATGCAAAGTGCCGAAGAAATCCCAGCC ATTCCTTGGTGAACATACTGGAGGCCACACGAGCCTAACAGGCTGTGTCTTTACCAAG GGATTTTCTCTATTTCAACAGAAGTCAATTTCCCTTCCAAGTCTCCCGAGGCATTC TGTGATGCTGCTTCTGGGATAATTTATCATCCAGTCTGTGCTATTCTACAGCAGCCAT GTCCTTAAACATAAAAAATCTGATTGGCCAAAAAAGTGCCAAAATGTCAA TTTCATACAATCAGGGCAAGAACTGGTCTTCTTTTGGCATTGGACTGGCTGCCCCCTAA AAAATGTCTTTCTTCTTGGCCCTTATCAAGGCCAGCCAGAGGCAGAGAAAGGGGGTG ACACTTACCCTTCGCATTAATAAATGAGCAAGGTTTTCAACCAACAGTTGAGCAACTGG GCTCATTTTTTAAACACCGAAAAATACATCAGATGGACTATTTCATCTGGCTCAGCTTAAT ACATGTTGGCCTAATGCTACAAAACCTAACATTAATAAAGTCTGAGGGTATAACAAGT ACAGACCACAGTCACTGGCAGCAATGATTGGCCCTGGAGGTGCACCTGCGGCTGTGCGAA AACCCAGCCCTCAAACAGTCTCAGAGACCAAGATGTGGACGTTGACAACCTTTTCGGAGG GAGACCACGCCCCGACCACTATTTATTCTCACTTCCAGACAGCATGAAAGGGCCACTAT GGCCACCTGGCCACAAACCAGTTATCCGGCCTGTAACCTTGTAAAGTCAAAGAGCCCA GCTCCCTCCGGATCAAATAAATTACCCTCCTGCAGATCCGGCCCTAGCCCCAAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006486
Insert Size:	3160 bp
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).
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_006486.2](#), [NP_006477.2](#)

RefSeq Size: 2947 bp

RefSeq ORF: 2112 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 (D) encodes the longest isoform (D).