

Product datasheet for SC118927

Fibulin 2 (FBLN2) (NM_001998) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 2 (FBLN2) (NM_001998) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBLN2
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001998, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCTGCTCTGGGAGCCTGCAGGAGCCTGGCTTGCTCTGGGCCTGGCCCTGGCCCTGGGCCCCAGCG  
TGGCCCGAGCTGCCCTCGGCAGGACTGCACGGCGTGGAGTGCCCGCCGCTGGAGAATGCATTGAGGA  
GGCGCTGGAGCCGGGTGCCTGCTGTGCCACGTGTGTGCAGCAGGGCTGCGCTGCGAGGGCTACCACTAC  
TATGACTGCCTACAGGGTGGCTTCGTGCGCGCCGCGTCCCGCCGGTCACTCTATTTTGTGGACTTCG  
GGAGCACTGAGTGTCTGCCACCAGGCGCGCAAGATCAGCTGCCAGTTCATGCTGTGCCCGGAGCT  
GCCGCCCAACTGCATCGAGGCTGTAGTGGTGGCTGACAGCTGCCACAGTGCAGGCAAGTGGGCTGCGTC  
CACGCGGGCCACAAGTACGCGCTGGCCACACTGTTACCTGCGCCCTGCCGGGCTGCCACTGCCCTG  
ACGCGGTTGGAGAGCTCATCTGCTACCAGCTCCCGGTTGCCACGGGAATTTCTCAGATGCCAGGAGGG  
TGACCCCGAGCGACACTACGAAGACCCCTACAGCTATGACCAGGAGGTGGCCGAGGTGGAAGCAGCAACA  
GCCCTGGGGGTGAGGTCCAGGCGGGTGCAGTCCAGGCAGGCGCAGGGGGCCCCCAGCTGCTCTGGGAG  
GTGGGAGTCAGCCACTGTCCACCATCCAGGCACCCCTGGCCAGCTGTCTCCCGAGGCCACAGCGGC  
TGCTGCCCTGGGTCCCCAGCCCAAGTGCAGGCCAAAGCTAGGAGAGTGACCGAGGACAGTGAGGAGGAA  
GAAGAGGAGGAGGAGAGAGAGAGGAAATGGCTGTCACTGAGCAGCTGGCAGCAGGTGGCCACAGGGGGC  
TGGATGGGCTGCCCACTACAGCCCCAGCTGGACCCAGTCTTCTATCCAGGAGGAGAGGGCAGAAGCTGG  
GGCAAGGGCAGAAGCTGGGGCAAGGCCTGAAGAGAACCCTCATCCTGGATGCCCAAGCCACGTCCCGCAGC  
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CTGGCTCTCCAGGGACCCAGTCAAGCCAGCCCCACAACATCCTGTCCACATCACTGCCTGATGCAGC  
CTGGATCCCACCCACCCGAGAAGTGCCAGGAAGCCGCAAGTTCTGCCCATTCACAGTGGAGGAGGAC  
ACAGACCCCAACTCTGTCCATTTATCCCCAGAAGTAGCCCTGAAGGCTCCACCAAGGACCTGATCGAGA  
CTTGCTGCGCAGCCGGACAGCAGTGGGCCATTGACAATGACGAGTGCCTGGAGATCCCTGAGAGTGGCAC  
TGAGGACAACGTCTGCAGGACAGCCAGAGGCACTGCTGTGTCTCCTACTTGACAGGAGAAGAGATGCATG  
GCCGGGCTCCTGGGAGCCAAGGAGGGTGAACCTGTGGGCTGAGGACAACGACAGCTGCGGCATCTCCC  
TGTACAAGCAATGCTGTGACTGCTGTGGCCTCCGCGTGCAGGCGGAGGGCCAGTGTGTGAGTC  
CAATCCTAACCTGGGCTATCCCTGCAATCATGTGCTCTCCTGCTGTGAGGGTGAAGAGCCTCTCATA  
GTACCTGAGGTTCCGCGACCTCCAGAGCCCGCAGCTGCACCACGGAGAGTTTCAGAGGCAGAGATGGCGG  
GCCGAGAGGCCCTGCTACTGGGCACAGAGGCCGAGCTGCCGAACAGCCTGCCGGGCGATGACCAGGATGA
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GTGCCTTCTCCTCCCGGAGAGCTGTGCCAGCACCTTTGCATCAATACTGTGGTTCCTTACCACTGTGCC
TGCTTTCTGGCTTCTACTGCAGGACGATGGCCGCACTTGCCGCCAGAGGGTACCCTCCACAGCCGG
AAGCCCCACAGGAGCCTGCACTGAAGTCAGAATTTCCAGGTGGCTCTAACACCATCCCGTGCCACT
GCCGACGCCAATACCTGCAAAGACAATGGACCCTGCAAGCAGGTGTGCAGCACTGTTGGGGCTCAGCC
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CAACATCTATGGCTCCTACCAGTGTACTGCCGCCAGGGCTACCAGCTGGCTGAGGATGGGCACACCTGC
ACAGACATCGACGAGTGTGCTCAAGGCGCCGGCATCCTCTGCACCTTCCGCTGTCTCAACGTGCCAGGGA
GCTACCAGTGTGCATGCCCTGAGCAGGGCTACACCATGACGGCCAACGGGAGGTCTGCAAGGACGTGGA
TGAGTGTGCACTGGGTACCCACAACCTGTTCCGAGGCTGAGACCTGCCACAACATCCAGGGTAGCTTCCGC
TGCTGCGCTTCGAGTGTCTCCCAACTATGTCCAAGTCTCCAAAACGAAGTGCAGGCGCACACAGTGC
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CCTGGTGCCTGCGCATATCTCCGCATTGGCCCCGCGCAGCCTTACGGGGGACACCATCGCCCTGAAC
ATCATCAAGGGCAATGAGGAGGGCTACTTTGGCACGCGCAGGCTCAATGCCTACACGGGTGTGGTCTACC
TGCAGCGGGCCGTGCTGGAGCCCGGGACTTTGCCCTGGACGTGGAGATGAAGCTCGGAGGCAGGGCTC
CGTCACCACCTTCTGGCCAAGATGCACATCTTCTTACCACCTTTGCCCTGTGA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001998 unedited
NNNNNGGGGGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
AAGGGCGGTAGGCGGTACGGTGGGNAGTCTATAAAGCAGAGCTCATTTAGGTGACACT
ATAGAATACAAGCTACTTGTCTTTTTGACGCGCCGCGAATTCGGCACGAGGGGCTCT
CGACGCGCCGACGGCCGGGCGGACGGACGGACGCGGAGCGCAGTGCCCGCGGGTCT
TTACAGGAGAGGGGACCGTCTGGGCTGGCCTGGACCATGGTGTGCTCTGGGAGCCTGC
AGGAGCCTGGCTTGTCTGGGCTGGCCCTGGCCCTGGGCCCCAGCGTGGCCGACAGTGC
CCCTCGGACGACTGCACGGGCGTGGAGTGCCTGGCCTGGGAGAACTGCATTGAGGAGGC
GCTGGAGCCGGTGCCTGCTGTGCCACGTGTGTGCAGCAGGGCTGCGCCTGCGAGGGCTA
CCAGTACTATGACTGCCTACAGGGTGGTTCGTGCGCGCCGCGTGCCTGGGCGGTCAGTC
CTATTTTGTGGACTTCGGGAGCACTGAGTGTCTCTGCCACCAGGCGGGCGCAAGATCAG
CTGCCAGTTCATGCTGTGCCCGAGCTGCCGCCAACTGCATCGAGGCTGTAGTGGTGGC
TGACAGCTGCCACAGTGCAGGCAAGTGGGCTGCGTCCACGCGGGCCACAAGTACGCCGC
TGGCCACACTGTTACCTGCCGCCCTGCCGGGCTGCCACTGCCCTGACGCCGGTGGAGA
GCTCATCTGCTACCAGTCCCGGTTGCCACGGAACTCCTCAGATGCGAGGAGGGTGC
CCCAGCGACACTACGAAGACCCTACAGCTATGACCAGGAGGTGGCCGAGGTGGAAGCA
GCACAGCCCTGGGGGNTGAGGTCCAGCGGNTGCAGTCCAGCAGCGNCAGG

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001998 unedited CTTGGCGATGGCACTCTCCAGGCCAGNATAGCACTGGGGNAGGGTCACAGGGCATGCCAC CCGGGATCTGTTCAAGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTT TTTTTTTTTTCGTTTTCTCTGTACTTTATAACCCCTTCATACTAGTTGAACTTTTTTT TATATAATGTACATGTACTACTTTATAGTTAAACAAAAAATTTAAAAATGATTTTTTAAA AAAGAAAAGAATTAATCACAGTGAACATGAAATGGAATGTCAACTTTGGGGACGGGTCA TCCAGAGGAGTCCAAGAGCCCCAACATGGTCGCGTGTCTCTGGTCCTCAGGTCATCACCC AGCCTCACCCACAGGGCACCCGCCACGGCCGTGGCCACCGTGCAAGCTTCCACTTGGTG CCTGCGTGGAAACGCACCACTGCCGTGGAACCTCCTCCTGCGGGCAGAGGAGGGTCC AGAAGCCACAGGAGTCAAGTCAGCAAAATTAAGTTAATTTACAAAGTTATAGTAAAAACC ACAATAGTGACCCAGTCCCTCCACGCAGTGTGAGCCCTGGGCTGCGCCACACCCGCAGG TGGCCCGTGTGGCACCTCACAGGGCAAAGGTGGTGAAGAAGATGTGCATCTTGCCAGG AAGGTGGTGACGGAGCCCTGCCTCCAGAGCTTCATCTCCACGTCCAGGGCAAAGTCCCGG AGCTCCAGCACGGCCCGCTGCAGGTAGACCACACCCGTGTAGGCATTGAGCCTGCGCGTG CCANAGTAGCCCTCCTCATTGCCCTTGATGATGTTTCAGGCGATGGTGTCCCCGTGAAG GCTGGNCGCGGCCATGCGGAAGATATGCGCAGGCACCCAGAGCCCGTCTGGAATTTG AACCTGTANTGCGTGATGCGCGCTGGCAAGTTCTGCACTCCAGA
Restriction Sites:	NotI-NotI
ACCN:	NM_001998
Insert Size:	4700 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
RefSeq:	NM_001998.2 , NP_001989.2
RefSeq Size:	4193 bp
RefSeq ORF:	3555 bp
Locus ID:	2199
UniProt ID:	P98095 , Q86V58 , Q9Y3V7
Domains:	ANATO, EGF_CA, EGF, EGF
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes an extracellular matrix protein, which belongs to the fibulin family. This protein binds various extracellular ligands and calcium. It may play a role during organ development, in particular, during the differentiation of heart, skeletal and neuronal structures. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR and lacks an alternate in-frame exon in the central coding region, compared to variant 3. The resulting isoform (b) lacks an internal segment, compared to isoform a.