

Product datasheet for SC315285

Fibulin 2 (FBLN2) (NM_001004019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 2 (FBLN2) (NM_001004019) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBLN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315285 representing NM_001004019. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGCTGCTCTGGGAGCCTGCAGGAGCCTGGCTTGCTCTGGGCCTGGCCCTGGCCCTGGGCCCCAGC
GTGGCCGAGCTGCCCTCGGCAGGACTGCACGGCGTGGAGTGGCCGCGCTGGAGAAGTGCATTGAG
GAGGCGCTGGAGCCGGTGCCTGCTGTGCCACGTGTGTGCAGCAGGGCTGCGCCTGCGAGGGTACCAG
TACTATGACTGCCTACAGGGTGGCTTCGTGCGCGCCGCGTGGCCGCGGTCAGTCTATTTTGTGGAC
TTCGGGAGCACTGAGTGTCTCTGCCACCAGGCGGGCAAGATCAGCTGCCAGTTCATGCTGTGCCCG
GAGCTGCCGCCCAACTGCATCGAGGCTGTAGTGGTGGCTGACAGCTGCCCAAGTGGCCAGGTGGC
TGCGTCCACGCGGCCACAAGTACGCGCTGGCCACACTGTTACCTGCCGCCCTGCCGGCCTGCCAC
TGCCCTGACGCCGTGGAGAGCTCATCTGCTACCAGCTCCCCGGTTGCCACGGAACTTCTCAGATGCC
GAGGAGGTGACCCGAGCGACACTACGAAGACCCTACAGCTATGACCAGGAGGTGGCCGAGGTGGAA
GCAGCAACAGCCCTGGGGGTGAGGTCCAGGCGGTGTCAGTCCAGGCAGGCGCAGGGGGCCCCCAGCT
GCTCTGGGAGGTGGGAGTCAAGCACTGTCCACCATCCAGGCACCCCTGGCCAGCTGTCTCCCCAGG
CCCACAGCGGCTGCTGCCCTGGTCCCCAGCCCAGTGCAGGCCAAAGCTAGGAGAGTGACCGAGGAC
AGTGAGGAGGAAGAAGAGGAGGAGGAGAGAGAGAAATGGCTGTCACTGAGCAGCTGCCAGCAGGT
GGCCACAGGGGCTGGATGGGCTGCCACTACAGCCCAGCTGGACCCAGTCTTCTATCCAGGAGGAG
AGGGCAGAAGCTGGGGCAAGGGCAGAAGCTGGGGCAAGGCTGAAGAGAAGCTATCCTGGATGCCCAA
GCCACGTCGCCGAGCACTGGGCCGAGGGCGTGACGCATGCACCGAGCCTGGGCAAGGCTGCTCTGTC
CCAAGTCAAGCCGTGCCTGGCTCTCCCAGGGACCCAGTCAAGCCAGCCCCACAACATCTGTCCACA
TCACTGCCTGATGCAGCCTGGATCCCACCCACCCGAGAAGTGGCCAGGAAGCCGCAAGTTCTGCCCCAT
TCCCACGTGGAGGAGGACACAGACCCCAACTCTGTCCATTCTATCCCCAGAAGTAGCCCTGAAGGCTCC
ACCAAGACCTGATCGAGACTTGTGCGCAGCCGACAGCAGTGGGCCATTGACAATGACGAGTGCCTG
GAGATCCCTGAGAGTGGCACTGAGGACAACGTCTGCAGGACAGCCAGAGGCACTGTGTCTCTCTAC
TTGCAGGAGAAGAGCTGCATGGCCGCGTCTGGGAGCCAAGGAGGTGAGACCTGTGGGCTGAGGAC
AACGACAGCTGCCGATCTCCCTGTACAAGCAATGCTGTGACTGTGGCCTGGCCCTCCGCGTGGCG
GCCGAGGGCCAGTCGTGTGAGTCCAATCCTAACCTGGGCTATCCCTGCAATCATGTCATGCTCTCTG
```



View online »

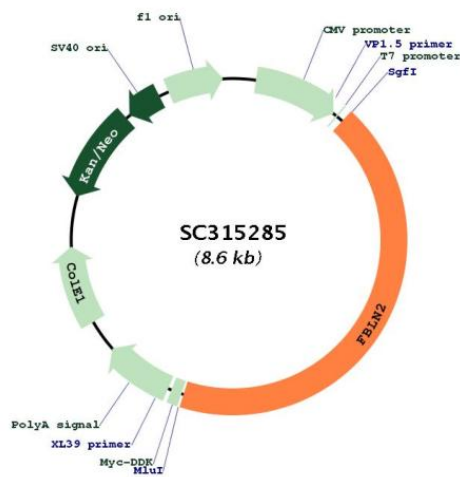
```

TGTGAGGGTGAAGAGCCTCATAGTACCTGAGGTTTCGCCGACCTCCAGAGCCCCGAGCTGCACCACGG
AGAGTTTCAGAGGCAGAGATGGCGGGCCGAGAGGCCCTGTCACTGGGCACAGAGGCCGAGCTGCCGAAC
AGCCTGCCGGGCGATGACCAGGATGAGTGCCTTCTCTCCCGGAGAGCTGTGCCAGCACCTTTGCATC
AATACTGTGGGTTCTTACCAGTGTGCCTGCTTCTCTGGCTTCTCACTGCAGGACGATGGCCGCACTTGC
CGCCCAGAGGGTACCCTCCACAGCCGGAAGCCCCACAGGAGCCTGCACTGAAGTCAGAAATTTCCCAG
GTGGCCTTAACACCATCCCGCTGCCACTGCCGACCCCAATACCTGCAAAGACAATGGACCCTGCAAG
CAGGTGTGCAGCACTGTTGGGGGCTCAGCCATATGCTCCTGTTTTCCCGGCTATGCCATCATGGCGGAT
GGCGTGTCTGTGAAGACCAAGACGAGTGCCTGATGGGTGCTCACGATTGTAGCCGGCGACAGTTCTGT
GTGAACACCCTGGGATCCTTCTACTGTGTCAACCACACAGTGCTCTGTGCCGATGGCTATATCCTCAAT
GCGCACAGGAAGTGCCTGGACATCAACGAGTGTGTGACGGACCTGCACACGTGCAGCCGGGGCGAGCAC
TGTGTGAACACACTGGGCTCCTTCCACTGCTACAAGGCACTCACCTGTGAGCCAGGCTATGCCCTCAAG
GATGGCGAGTGCAGAACGCTGGATGAGTGTGCGATGGGCACGCACACCTGCCAGCCGGGCTTCTGTGC
CAGAACACCAAGGGCTCCTTCTACTGCCAGGCCAGGCAGCGCTGCATGGATGGCTTCTGCAGGATCCT
GAAGGCAACTGTGTGGACATCAACGAGTGCACGTCACTGTCCGAGCCATGTCCGCCAGGCTTCCAGCTGC
ATCAACACGGTGGGCTCCTACACATGCCAGAGGAACCCGCTGATCTGCGCGCGGGCTACCACGCCAGC
GATGATGGGACCAAGTGTGTGGACGTGAATGAGTGTGAGACAGGTGTGCACCCGCTGCGGTGAGGGCCAA
GTGTGCCACAACCTCCCTGGCTCCTACCCTGTGACTGCAAAGCCGGCTTTCAGCGGGATGCCTTTGGC
CGGGGCTGCATCGACGTGAATGAGTGTGGGCTCGCCAGGCCGCTGTGCCAGCACACGTGTGAGAAC
ACACTCGGCTCCTACCGCTGTTCTGCGCTCCGGGTTCTGTAGCAGCGGACGGCAAGCGCTGTGAA
GACGTGAATGAGTGTGAGGCCAGCGCTGCAGCCAGGAGTGTGCCAACATCTATGGCTCCTACCAGTGC
TACTGCCGCCAGGGCTACCAGCTGGCTGAGGATGGGCACACCTGCACAGACATCGACGAGTGTGCTCAA
GGCGCCGGCATCCTCTGCACCTCCGCTGTCTCAACGTGCCAGGGAGCTACCAGTGTGCATGCCCTGAG
CAGGGCTACACCATGACGCCAACCGGGAGTCTTCAAGGACGTGGATGAGTGTGCATGGTACCCAC
AACTGTTCCGAGGCTGAGACCTGCCACAACATCCAGGGTAGCTTCCGCTGCCTGCCCTTCGAGTGTCT
CCCAACTATGTCCAAGTCTCAAACGAAGTGCAGGCGCACACGTGCCATGACTTCTGGAGTGCCAG
AACTCGCCAGCGCGCATCACGCACTACCAGCTCAACTTCCAGACGGGCTCCTGGTGCCTGCGCATATC
TTCCGATTGGCCCCGCGCCAGCCTTACGGGGGACACCATCGCCCTGAACATCATCAAGGGCAATGAG
GAGGGCTACTTTGGCACGCGCAGGCTCAATGCCTACACGGGTGTGGTCTACCTGCAGCGGGCCGTGCTG
GAGCCCCGGGACTTTGCCCTGGACGTGGAGATGAAGCTCTGGAGGCAGGGCTCCGTCACCACCTTCTG
GCCAAGATGCACATCTTCTTACCACCTTTGCCCTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
```

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN:	NM_001004019
Insert Size:	3696 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_001004019.1</u>
RefSeq Size:	4334 bp
RefSeq ORF:	3696 bp
Locus ID:	2199
UniProt ID:	<u>P98095</u>
Cytogenetics:	3p25.1
Protein Families:	Secreted Protein
MW:	131.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents use of an alternate promoter and 5' UTR, compared to variant 3, and encodes the longer isoform (a). Both variants 1 and 3 encode the same isoform.</p>