

Product datasheet for **SC314028**

Fibulin 1 (FBLN1) (NM_006487) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fibulin 1 (FBLN1) (NM_006487) Human Untagged Clone
Tag: Tag Free
Symbol: FBLN1
Synonyms: FBLN; FIBL1
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_006487, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCGCTCCGCTGCTGCTGCTCGGCGGCTT
GCGCTGCTGGCGCCGGAGTGGACGCGGATGTCCTCCTGGAGGCTGCTGTGCGGACGGA
CACCGGATGGCCACTCATCAGAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAGAA
TGCAGGATGGTGCAGGAGCAGTGTGCCACAGCCAGCTGGAGGAGCTGCACTGTGCCAGC
GGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGCCCCACGGTGACAACGCCAGC
CTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGAGGGCGGCCAG
GCCAGGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC
CGGCATGCTGTGTCAAGAGCCAGGAGACCGGAGATTTGGATGTGCGGGGCTCCAAGAA
ACGGATAAGATCATTGAGGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCCTGC
CGAGGAGGCGGGCCCTGCAAGCAGCAGTGCCGAGACACGGGTGACGAGGTGGTCTGCTCC
TGCTTCGTGGGCTACCAGCTGCTGTCTGATGGTGTCTCCTGTGAAGATGTCAATGAATGC
ATCACGGGCAGCCACAGCTGCCGGCTTGGAGAATCCTGCATCAACACAGTGGGCTTTTC
CGCTGCCAGCGGGACAGCAGCTGCGGGACTGGCTATGAGCTCACAGAGGACAATAGCTGC
AAAGATATTGACGAGTGTGAGAGTGGTATTCATAACTGCCTCCCCGATTTTATCTGTCAG
AATACTCTGGGATCCTTCCGCTGCCGACCAAGCTACAGTGCAAGAGTGGCTTTATACAA
GATGCTCTAGGCAACTGTATTGATATCAATGAGTGTGAGTATCAGTGCCCCGTGCCCT
ATCGGGCATAATGCATCAACACAGAGGCTCCTACACGTGCCAGAAGAAGCTGCCAAC
TGTGGCCGTGGCTACCATCTCAACGAGGAGGGAACGCGCTGTGTTGATGTGGACGAGTGC
GCGCCACCTGCTGAGCCCTGTGGAAAGGACATCGCTGCGTGAACCTCCCGGCAAGTTTC
CGCTGCGAATGCAAGACGGGTTACTATTTTACGGCATCAGCAGGATGTGTGCGATGTC
AACGAGTGCCAGCGCTACCCGGGCGCCTGTGTGGCCACAAGTGCAGAACACGCTGGGC
TCCTACCTCTGCAGCTGTTCCGTGGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAA
GACATCAATGAGTGCAGCAGCAGCCCTGTAGCCAGGAGTGTGCCAACGCTACCGCTCC
TACCAGTGTACTGCCGCGAGGCTACCAGCTCAGCGATGTGGATGGAGTCACCTGTGAA
GACATCGACGAGTGCACCTGCCACCGGGGCCACATCTGCTCCTACCGCTGCATCAAC
ATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCTACAGGCTGGCCCCAATGGC
CGCAACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAAGTGTCCATCAACGAG
ACCTGCTTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCCTGAGAAGTAC
CGCCGCTCCGAGCCACA
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Restriction Sites:	Please inquire
ACCN:	NM_006487
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_006487.2</u> , <u>NP_006478.2</u>
RefSeq Size:	2485 bp
RefSeq ORF:	1701 bp
Locus ID:	2192
UniProt ID:	<u>P23142</u>
Cytogenetics:	22q13.31
Domains:	ANATO, EGF_CA, EGF, EGF
Protein Families:	Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (A) has an alternate 3' sequence, as compared to variant D. The encoded isoform A is the shortest among the four isoforms, and it has a distinct C-terminus, as compared to isoform A. 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.</p>