

Product datasheet for **RC205326**

Fibulin 1 (FBLN1) (NM_001996) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 1 (FBLN1) (NM_001996) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBLN1
Synonyms:	FBLN; FIBL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC205326 representing NM_001996
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCGCTTCCGCTGCTGCTGCTCGGCGCCTTGCCTGCTGG
CGGCCGAGTGGACGCGGATGTCCTCCTGGAGGCTGCTGTGCGGACGGACACCGGATGGCCACTCATCA
GAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTGCAGGAGCAGTGTGCCAC
AGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGC
CCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAG
GGCGGCCAGGCCAGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC
CGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCTCCAAGAAACGGATAAGA
TCATTGAGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCCTGCCGAGGAGCGGGCCCTGCAA
GCAGCAGTCCGAGACACGGGTGACGAGTGGTCTGCTCCTGCTTCGTGGGCTACCAGCTGCTGTCTGAT
GGTGTCTCCTGTGAAGATGTCAATGAATGCATCAGGGCAGCCACAGCTGCCGGCTTGGAGAATCCTGCA
TCAACACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGCCGGGACTGGCTATGAGCTCACAGAGGA
CAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTATAACTGCCTCCCCGATTTTATCTGTGAG
AATACTCTGGGATCCTTCCGCTGCCAGCCAAAGCTACAGTGAAGAGTGGCTTTATAAAGATGCTCTAG
GCAACTGTATTGATATCAATGAGTGTGAGTATCAGTGGCCCGTGCCTATCGGGCATAACATGCATCAA
CACAGAGGGCTCCTACAGTGCAGAGAAGACGTGCCAACTGTGGCCGTGGCTACCATCTCAACGAGGAG
GGAACGCGCTGTGTTGATGTGGACGAGTCCGCGCCACCTGCTGAGCCCTGTGGGAAGGGACATCGCTGCC
TGAACTCTCCCGCAGTTTCCGCTGCGAATGCAAGACGGGTTACTATTTTGACGGCATCAGCAGGATGTG
TGTCGATGTCAACGAGTGCAGCCTACCCCGGGCGCCTGTGTGGCCACAAGTGCAGAGAACAGCTGGGC
TCTACCTCTGCAGCTGTTCCGTTGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAATG
AGTGCAGCAGCAGCCCTGTAGCCAGGAGTGTGCCAAGCTACAGGCTCTACCAGTGTACTGCCGGCG
AGGCTACCAGCTCAGCGATGTGGATGGAGTCACTGTGAAGACATCGACGAGTGCGCCCTGCCACCGGG
GGCCACATCTGCTCCTACCGCTGCATCAACATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCT
ACAGGCTGGCCCCAATGGCCGCACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAAGTCTC
CATCAACGAGACCTGCTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCTGAGAAGTAC
CGCCGCTCCGAGCCACCGCTGTGAGCGCTTGCCTTGCCATGAGAATCGGGAGTGTCCAAGCTGCCTC
TGAGAATAACCTACTACCACCTCTTTCCCAACCAATCCAAGCGCCCGGGTGGTTTTCCGCATGGG
CCCTCCAGTGTGTCGCCGGGACAGCATGCAGCTGGCCATCACCGGGCAATGAGGAGGGCTTTTTTC
ACCACCGGAAGGTGAGCCCCACAGTGGGGTGGTGGCCCTACCAAGCCTGTCCCAGAGCCAGGGACT
TGCTCCTGACCGTCAAGATGGATCTCTCTCGCCACGGCACCGTCACTCTTTGTGGCAAGCTTTTCAT
CTTTGTGCTGCAGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205326 representing NM_001996
 Red=Cloning site Green=Tags(s)

MERAAPSRRVPLPLLLLGLALLAAGVDADVLLLEACDGHMATHQKDCSLPYATESKECRMVQECCCH
 SQLEELHCATGISLANEQDRCATPHGDNASLEATFVKRCCHCCLLGRAAQAQGQSCEYSLMVGYYCGQV
 RACCVKSQETGDLVDVGLQETDKIIEVEEEQEDPYLNDRCRGGGPKQQRDTGDEVVCSFVGYQLSD
 GVSCEDVNECITGSHSRLGESCINTVGSFRCQRDSSCGTGYELTEDNSCKDIDECESGIHNCLPDFICQ
 NTLGSFRCRPKLQCKSGFIQDALGNCIDINECLSIAPCPIGHTCINTEGSYTCQKNVPNCGRGYHLNEE
 GTRCVDVDECAPPAEPCGKGHRCVNSPGRSFRCECKTGYFFDGI SRMCVDVNECQRYPRGLCGHKCENTLG
 SYLCSCSVGFRLSVDGRSCEDINECSSSPCSQECANVYGSYQCYCRRGYQLSDVDGVTCEIDICALPTG
 GHICSYRCINIPGSFQCSCPSSGYRLAPNGRNCQDIDECVTGIHNCINETCFNIQGGFRCLAFCEPENY
 RRSAAATRCERLPCHENRECSKPLRITYYHL SFPTNIQAPAVVFRMGPSAVPGDSMQLAITGNEEGFF
 TTRKVSPhSGVVALTKPVPEPRDLLLVKMDLSRHGTVSSFVAKLFI FVSAEL

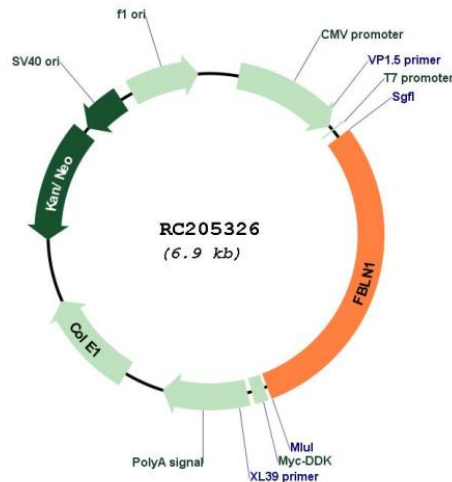
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001996

ORF Size: 2049 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001996.3](#), [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
MW:	74.5 kDa
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>