

## Product datasheet for **RG205326**

### 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:	TurboGFP
Symbol:	FBLN1
Synonyms:	FBLN; FIBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG205326 representing NM\_001996  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGAGCGCGCCGCGCCGTCGCGCCGGGTCCCGCTTCCGCTGCTGCTGCTCGGCGCCTTGCCTGCTGG  
CGGCCGAGTGGACGCGGATGTCCTCCTGGAGGCTGCTGTGCGGACGGACACCGGATGGCCACTCATCA  
GAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTGCAGGAGCAGTGTGCCAC  
AGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGC  
CCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAG  
GGCGGCCAGGCCAGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC  
CGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCTCCAAGAAACGGATAAGA  
TCATTGAGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCCTGCCGAGGAGCGGGCCCTGCAA  
GCAGCAGTCCGAGACACGGGTGACGAGTGGTCTGCTCCTGCTTCGTGGGCTACCAGCTGCTGTCTGAT  
GGTGTCTCCTGTGAAGATGTCAATGAATGCATCAGGGCAGCCACAGCTGCCGGCTTGGAGAATCCTGCA  
TCAACACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGCCGGGACTGGCTATGAGCTCACAGAGGA  
CAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTATAACTGCCTCCCCGATTTTATCTGTGAG  
AATACTCTGGGATCCTTCCGCTGCCAGCCAAAGCTACAGTGAAGAGTGGCTTTATAAAGATGCTCTAG  
GCAACTGTATTGATATCAATGAGTGTGTTGAGTATCAGTGGCCCGTGCCTATCGGGCATAACATGCATCAA  
CACAGAGGGCTCCTACAGTGCAGAGAAGACGTGCCAACTGTGGCCGTGGCTACCATCTCAACGAGGAG  
GGAACGCGCTGTGTTGATGTGGACGAGTCCGCGCCACCTGCTGAGCCCTGTGGGAAGGGACATCGCTGCC  
TGAACCTCCTCCGCGCAGTTTCCGCTGCGAATGCAAGACGGGTTACTATTTTGACGGCATCAGCAGGATGTG  
TGTCGATGTCAACGAGTGCAGCCTACCCCGGGCGCCTGTGTGGCCACAAGTGCAGAGAACAGCTGGGC  
TCTACCTCTGCAGCTGTTCCGTTGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAATG  
AGTGCAGCAGCAGCCCCTGTAGCCAGGAGTGTGCCAAGCTCTACGGCTCTACCAGTGTACTGCCGGCG  
AGGCTACCAGCTCAGCGATGTGGATGGAGTCACTGTGAAGACATCGACGAGTGCGCCCTGCCACCGGG  
GGCCACATCTGCTCCTACCGCTGCATCAACATCCCTGGAAGCTTCCAGTGCAGCTGCCCTCGTCTGGCT  
ACAGGCTGGCCCCAATGGCCGCACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAAGTCTC  
CATCAACGAGACCTGCTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCTGAGAAGTAC  
CGCGCTCCGAGCCACCGCTGTGAGCGCTTGCCTTGCCATGAGAATCGGGAGTGTCCAAGCTGCCTC  
TGAGAATAACCTACTACCACCTCTTTCCCAACCAATCCAAGCGCCCGGTTGGTTTTCCGCATGGG  
CCCTCCAGTGTGTCCCGGGGACAGCATGCAGCTGGCCATCACCGGGGCAATGAGGAGGGCTTTTTTC  
ACCACCGGAAGGTGAGCCCCACAGTGGGGTGGTGGCCCTACCAAGCCTGTCCCGAGCCAGGGACT  
TGCTCCTGACCGTCAAGATGGATCTCTCTCGCCACGGCACCGTCACTCTTTGTGGCAAGCTTTTCAT  
CTTTGTGTCTGCAGAGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG205326 representing NM\_001996  
 Red=Cloning site Green=Tags(s)

MERAAPSRRVPLPLLLLGGALLAAGVDADVLLLEACCADGHRMATHQKDCSLPYATESKECRMVQECCCH  
 SQLEELHCATGISLANEQDRCATPHGDNASLEATFVKRCCHCCLLGRAAQAQGQSCEYSLMVGYYCGQVVF  
 RACCVKSQETGDLVDVGGQLQETDKIIIEVEEEQEDPYLNDRRCRGGGPKQQCRDTGDEVVCSFVGYQLLSD  
 GVSCEDVNECITGSHSRLGESCINTVGSFRCQRDSSCGTGYELTEDNSCKDIDECESGIHNCLPDFICQ  
 NTLGSFRCRPKLQCKSGFIQDALGNCIDINECLSIAPCPIGHTCINTEGSYTCQKNVPNCGRGYHLNEE  
 GTRCVDVDECAPPAEPCGKGHRCVNSPGRSFRCECKTGYFFDGI SRMCVDVNECQRYPRGLCGHKCENTLG  
 SYLCSCSVGFRLSVDGRSCEDINECSSSPCSQECANVYGSYQCYCRRGYQLSDVDGVTCEIDICALPTG  
 GHICSYRCINIPGSFQCSCPSSGYRLAPNGRNCQDIDECVTGIHNCINETCFNIQGGFRCLAFCEPENY  
 RRSAAATRCERLPCHENRECSKPLRITYYHL SFPTNIQAPAVVFRMGPSAVPGDSMQLAITGGNEEGFF  
 TTRKVSPhSGVVALTKPVPEPRDLLLVKMDLSRHGTVSSFVAKLFI FVSAEL

TRTRPLE - GFP Tag - V

**Restriction Sites:**

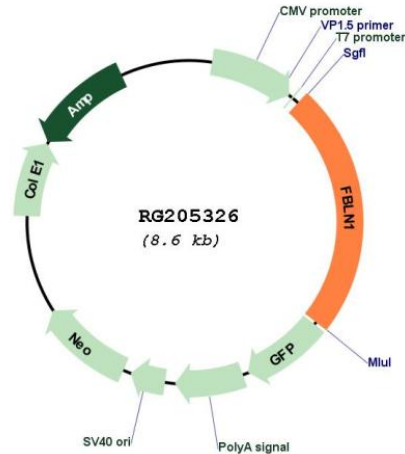
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



## 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

**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]