

Product datasheet for **RC215404**

Fibulin 1 (FBLN1) (NM_006485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 1 (FBLN1) (NM_006485) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fibulin 1
Synonyms:	FBLN; FIBL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215404 representing NM_006485
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCGCGCCGCGCCGTCGCGCCGGTCCCGCTTCCGCTGCTGCTGCTCGGCGCCTTGCCTGCTGG
 CGGCCGAGTGGACGCGGATGTCCTCCTGGAGGCTGCTGTGCGGACGGACACCGGATGGCCACTCATCA
 GAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTGCAGGAGCAGTGTGCCAC
 AGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCAGGACCGCTGTGCCACGC
 CCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATTGCTGTCTGCTGGGGAG
 GCGGCCACAGGCCAGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAGTGTGGACAGGTCTTC
 CGGGCATGCTGTGTAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCTCCAAGAAACGGATAAGA
 TCATTGAGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCCTGCCGAGGAGCGGGCCCTGCAA
 GCAGCAGTCCGAGACACGGGTGACGAGTGGTCTGCTCCTGCTTCGTGGGCTACCAGTGTGTCTGAT
 GGTGTCTCCTGTGAAGATGTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGGAGAATCCTGCA
 TCAACACAGTGGGCTCTTCCGCTGCCAGCGGGACAGCAGCTGCCGGACTGGCTATGAGCTCACAGAGGA
 CAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTATAACTGCCTCCCCGATTTTATCTGTGAG
 AATACTCTGGGATCCTTCCGCTGCCGCCAACGCTACAGTGAAGAGTGGCTTTATAAAGATGCTCTAG
 GCAACTGTATTGATATCAATGAGTGTGTTGAGTATCAGTGGCCCGTGCCTATCGGGCATAACATGCATCAA
 CACAGAGGGCTCCTACAGTGCCAGAAGAAGTGGCCAACTGTGGCCGTGGCTACCATCTCAACGAGGAG
 GGAACGCGCTGTGTTGATGTGGACGAGTCCGCGCCACCTGCTGAGCCCTGTGGGAAGGGACATCGCTGG
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 TCTACCTCTGCAGTGTTCGCTGGGCTTCCGGCTCTCTGTGGATGGCAGGTGATGTGAAGACATCAATG
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 ACAGGCTGGCCCCAATGGCCGCACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAACCTGCTC
 CATCAACGAGACCTGCTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCTGAGAACCTAC
 CGCGCTCCGAGCCACGCAGAAATCCAAGAAGGGAAGGCAGAACACCCAGCGGATCAAGTAAAGAGG
 ACTGCAGGGTTCTCCATGGAAGCAGGGTTGGAGGATACCCACCTTGATGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215404 representing NM_006485
 Red=Cloning site Green=Tags(s)

MERAAPSRVPLPLLLLGLALLAAGVDADVLEACCADGHRMATHQKDCSLPYATESKECRMVQECCCH
 SQLEELHCATGISLANEQDRCATPHGDNASLEATFVKRCHCCLLGRAAQAQQQSCEYSLMVGYYCQGVF
 RACCVKSQETGDLDVGLQETDKIIEVEEEQEDPYLNDRCRGGGPKQQRDTGDEVVCSFVGYQLLSD
 GVSCEDVNECITGSHSRLGESCINTVGSFRCQRDSSCGTYELTEDNSCKDIDECESGIHNCLPDFICQ
 NTLGSFRCRPKLQCKSGFIQDALGNCIDINECLISAPCPIGHTCINTEGSYTCQKNVPNCGRGYHLNEE
 GTRCVDVDECAPPAEPCGKGHRCVNSPGSFRCECKTGYYFDGISRMCVDVNECQRYPGRLCGHKCENTLG
 SYLCSCSVGFRLSVDGRSCEDINECSSSPCSQECANVYGSYQCYCRRGYQLSDVDGVTCEDIDECALPTG
 GHICSYRCINIPGSFQSCPSSGYRLAPNGRNCQDIDECVTGIHNCSINETCFNIQGGFRCLAFCEPENY
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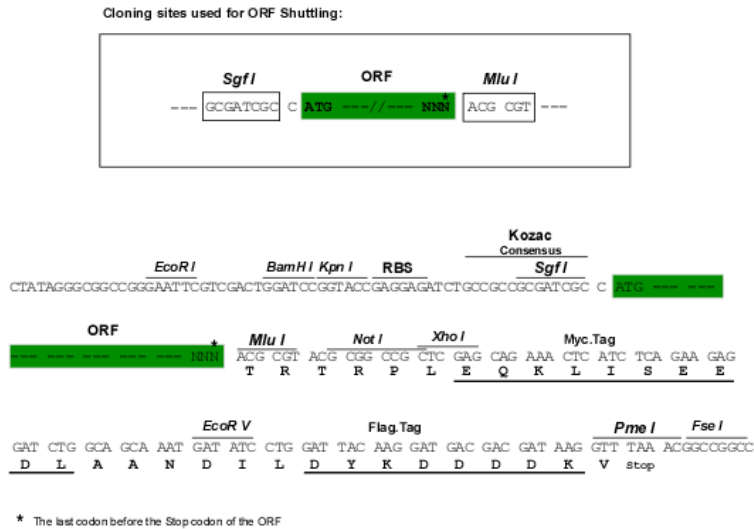
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8069_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006485

ORF Size: 1803 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_006485.3](#)

RefSeq Size: 2662 bp

RefSeq ORF: 1806 bp

Locus ID: 2192

UniProt ID: [P23142](#)

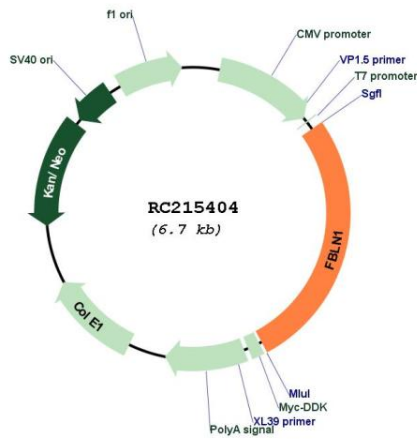
Cytogenetics: 22q13.31

Protein Families: Secreted Protein

MW: 65.3 kDa

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]

Product images:



Circular map for RC215404