

Product datasheet for **MR226107**

Fbln5 (NM_011812) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbln5 (NM_011812) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbln5
Synonyms:	A55; DANCE; EVEC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226107 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAGGATTA AAAAGGATACTACTGTTACCATCTTGGCACTCTGGCTTCCACATCCTGGGAATGCAC
 AGCAGCAGTGCACAAACGGCTTTGACCTGGACCGCCAGTCAGGACAGTGTCTAGATATTGATGAATGCCG
 GACCATCCCTGAGGCTTGTCTGGGGACATGATGTGTGTCAACCAAGATGGCGGGTATTTGTGCATCCCT
 CGAACCAACCCAGTGTATCGAGGGCCTTACTCAAATCCCTACTCTACATCCTACTCAGGCCATACCCAG
 CAGCGGCCCCACAGTACCAGCTTCCAACACCCACGATTTCAAGGCCTCTTGTCTGCCGCTTTGGGTA
 TCAGATGGATGAAGGCAACCAAGTGTGTGGATGTGGACGAGTGTGCAACAGACTCACACCAGTGAACCCCT
 ACCCAGATCTGTATCAACACTGAAGGAGGTTACACCTGCTCCTGCACCGATGGTACTGGCTTCTGGAAG
 GGCAGTGCCTAGATATTGATGAATGTCTGATGGTTACTGCCAGCAGCTCTGTGCAAATGTTCCAGGATC
 CTATTCCTGTACATGCAACCCCTGGTTTACCCTCAACGACGATGGAAGGCTTGGCAAGATGTGAACGAG
 TGGCAAATGAGAATCCCTGTGTTCAGACCTGTGTCAACACCTATGGCTCTTTCATCTGCCGCTGTGACC
 CAGGATATGAACTTGAGGAAGATGGCATTCACTGCAGTGTATGGACGAGTGCAGCTTCTCCGAGTTCCT
 CTGTCAACACGAGTGTGTGAACAGCCGGGCTCATACTTCTGCTCGTGCCTCCAGGCTACGCTCCTGTTG
 GATGATAACCGAAGCTGCCAGGATATCAATGAATGTGAGCACCAGCAACACACGTTACCTCACTGCAGA
 CTTGCTACAATCTACAAGGGGGCTTCAAATGTATTGATCCCATCAGCTGTGAGGAGCCTTATCTGCTGAT
 TGGTGA AAACCGCTGTATGTGCTCTGCTGAGCACACCAGCTGCAGAGACCAGCCATTACCATCCTGTAT
 CCGGACATGGATGTGGTGTGAGGACGCTCCGTTCTGCTGACATCTTCCAGATGCAAGCAACAACCCGAT
 ACCCTGGTGCCTATTACATTTTCCAGATCAAATCTGGCAACGAGGGTCGAGAGTTCTATATGCCGGCAAAC
 AGGGCCTATCAGTGCACCCCTGGTGTGACACGCCCCATCAAAGGGCCTCGGGACATCCAGCTGGACTTG
 GAGATGATCACTGTCAACACTGTCATCAACTTCAGAGGCAGCTCCGTGATCCGACTGCGGATATATGTGT
 CGCAGTATCCGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226107 protein sequence
 Red=Cloning site Green=Tags(s)

MPGLKRILTVTILALWLPHPGNAQQQCTNGFDLDRQSGQCLDIDECRTIPEACRGMCMVNQNGGYLCIP
 RTNPVYRGPYSNPYSTSYSGPYPAAPPVPASNYPTISRPLVCRFGYQMDEGNQCVVDECATDSHCNP
 TQICINTEGGYTCSDTDGYWLLLEGQCLDIDECRYGYCQQLCANVPGYSYCTCNPGFNLNDDGRSQDVNE
 CETENPCVQTCVNTYGSFICRCDPGYELEEDGIHCSMDDECSFSEFLCQHECVNQPGSYFCSCPPGYVLL
 DDNRSCQDINECEHRNHTCTSLQTCYNLQGGFKCIDPISCEEPYLLIGENRCMPAEHTSCRDPFTILY
 RDMDVVSGRSVPADIFQMQATTRYPGAYYIFQIKSGNEGREFYMRQTGPISATLVMTRPIKGRDILQLDL
 EMITVNTVINFRGSSVIRLRIYVSQYPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_011812

ORF Size: 1347 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

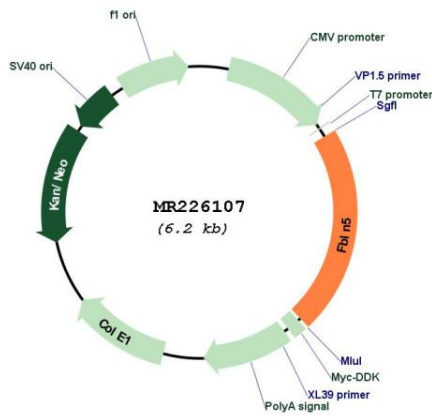
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_011812.4](#)
RefSeq Size: 5893 bp
RefSeq ORF: 1347 bp
Locus ID: 23876
UniProt ID: [Q9WVH9](#)
Cytogenetics: 12 E
MW: 50.2 kDa

Gene Summary: Essential for elastic fiber formation, is involved in the assembly of continuous elastin (ELN) polymer and promotes the interaction of microfibrils and ELN (By similarity). Stabilizes and organizes elastic fibers in the skin, lung and vasculature. Promotes adhesion of endothelial cells through interaction of integrins and the RGD motif. Vascular ligand for integrin receptors which may play a role in vascular development and remodeling (PubMed:11805835). May act as an adapter that mediates the interaction between FBN1 and ELN (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226107