

Product datasheet for **RC218622**

Fibulin 2 (FBLN2) (NM_001004019) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 2 (FBLN2) (NM_001004019) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fibulin 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218622 representing NM_001004019 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTCTGGGAGCCTGCAGGAGCCTGGCTTGCTCTGGGCCTGGCCCTGGCCCTGGGCCCCAGCG
TGGCCGACAGTGCCCTCGGCAGGACTGCACGGCGTGGAGTGCCCGCCGCTGGAGAAGTGCATTGAGGA
GGCGTGGAGCCGGGTGCCTGCTGTGCCACGTGTGTGCAGCAGGGCTGCGCCTGCGAGGGCTACCACTAC
TATGACTGCCTACAGGGTGGCTTCGTGCGCGCCGCGTGCCTGCGCCTGCGAGGGCTACCACTAC
GGAGCACTGAGTCTCTGCCACCAGGGCGGCAAGATCAGTGCAGTTCATGCTGTGCCCGGAGCT
GCCGCCAACTGCATCGAGGCTGTAGTGGTGGCTGACAGCTGCCACAGTGCAGGAGGAGTGGGCTGCGTC
CACGCGGGCCACAAGTACGCCGCTGGCCACACTGTTACCTGCCGCCCTGCCGGGCTGCCACTGCCCTG
ACGCCGTTGGAGAGCTCATCTGCTACCAGCTCCCCGTTGCCACGGAACTTCTCAGATGCCAGGAGGG
TGACCCCGAGCGACTACGAAGACCCCTACAGCTATGACCAGGAGGTGGCCGAGGTGGAAGCAGCAACA
GCCCTGGGGGTGAGGTCCAGGCGGGTGCAGTCCAGGCAGGCGCAGGGGGCCCCCAGCTGCTCTGGGAG
GTGGGAGTCAAGCACTGTCCACCATCCAGGCACCCCTGGCCAGCTGTCTCCAGGCCACAGCGGC
TGCTGCCCTGGTCCCCAGCCCCAGTGCAGGCCAAAGCTAGGAGAGTACCAGGACAGTGAAGAGGAA
GAAGAGGAGGAGGAGAGAGAGAGAAATGGCTGTCACTGAGCAGCTGGCAGCAGGTGGCCACAGGGGGC
TGGATGGGCTGCCACTACAGCCCCAGCTGGACCCAGTCTTCTATCCAGGAGGAGAGGGCAGAAGCTGG
GGCAAGGGCAGAAGCTGGGGCAAGGCCTGAAGAGAACCTCATCTGGATGCCAAGCCACGTCCCCGAGC
ACTGGGCCGAGGGCGTGACGCATGACCCGAGCCTGGGCAAGGCTGCTCTCGTCCCAACTCAGGCCGTGC
CTGGCTCTCCAGGGACCCAGTCAAGCCAGCCCCACAACATCTGTCCACATCACTGCCTGATGCAGC
CTGGATCCCAACCCAGGAGAAGTGCCAGGAAGCCGCAAGTCTGCCCACTCCACGTGGAGGAGGAC
ACAGACCCCAACTCTGTCCATTCTATCCCAGAAGTAGCCCTGAAGGCTCCCAAGGACCTGATCGAGA
CTTGCTGCGCAGCCGGACAGCAGTGGGCCATTGACAATGACGAGTGCCTGGAGATCCCTGAGAGTGGCAC
TGAGGACAACGTCTGCAGGACAGCCAGAGGCACTGCTGTGTCTCTACTTGCAGGAGAAGAGTGCATG
GCCGGCTCCTGGGAGCCAAGGAGGGTGAACCTGTGGGCTGAGGACAACGACAGCTGCCGCATCTCCC
TGTACAAGCAATGCTGTGACTGCTGTGGCTGGGCTCCGCGTGCAGGCGGAGGGCCAGTGTGTGAGTC



[View online »](#)

CAATCCTAACCTGGGCTATCCCTGCAATCATGTATGCTCTCCTGCTGTGAGGGTGAAGAGCCTCTCATA
GTACCTGAGGTTTCGCCGACCTCCAGAGCCCGCAGCTGCACCACGGAGAGTTTCAGAGGCAGAGATGGCGG
GCCGAGAGGCCCTGTCACTGGGCACAGAGGCCGAGCTGCCGAACAGCCTGCCGGGCGATGACCAGGATGA
GTGCTTCTCCTCCCGGAGAGCTGTGCCAGCACCTTTGCATCAATACTGTGGGTTCTTACCAGTGTGCC
TGCTTTCTGGCTTCTCACTGCAGGACGATGGCCGCACTTGCCGCCAGAGGGTCAACCTCCACAGCCGG
AAGCCCCACAGGAGCCTGCACTGAAGTCAGAATTTCCAGGTGGCCTTAACACCATCCCGCTGCCACT
GCCGCAGCCCAATACCTGCAAAGACAATGGACCCTGCAAGCAGGTGTGCAGCACTGTTGGGGGCTCAGCC
ATATGCTCCTGTTTTCCCGGCTATGCCATCATGGCGGATGGCGTGTCTGTGAAGACCAAGACGAGTGCC
TGATGGGTGCTCACGATTGTAGCCGGCGACAGTTCTGTGTGAACACCCTGGGATCCTTCTACTGTGTCAA
CCACACAGTGTCTGTGCCGATGGCTATATCCTCAATGCGCACAGGAAGTGCCTGGACATCAACGAGTGT
GTGACGGACCTGCACACGTGCAGCCGGGGCGAGCACTGTGTGAACACACTGGGCTCCTTCCACTGCTACA
AGGCACTCACCTGTGAGCCAGGCTATGCCCTCAAGGATGGCGAGTGCAGAACAGTGGATGAGTGTGCGAT
GGGCACGCACACCTGCCAGCCGGGCTTCTGTGCCAGAACACCAAGGGCTCCTTCTACTGCCAGGCCAGG
CAGCGCTGCATGGATGGCTTCTGCAGGATCCTGAAGGCAACTGTGTGGACATCAACGAGTGCACGTAC
TGTCGAGCCATGTCGGCCAGGCTTCACTGCATCAACACGGTGGGCTCCTACACATGCCAGAGGAACCC
GCTGATCTGCGCCGCGGCTACACGCCAGCGATGATGGGACCAAGTGTGTGGACGTGAATGAGTGTGAG
ACAGGTGTGCACCCTGCGGTGAGGGCCAAGTGTGCCACAACCTCCCTGGCTCCTACCGCTGTGACTGCA
AAGCCGGCTTTCAGCGGGATGCCTTTGGCCGGGCTGCATCGACGTGAATGAGTGTGGGCTCGCCAGG
CCGCTGTGCCAGCACACGTGTGAGAACACACTCGGCTCCTACCGCTGTTCTGCGCCTCCGGGTTCTGT
CTAGCAGCGGACGGCAAGCGCTGTGAAGACGTGAATGAGTGTGAGGCCAGCGCTGCAGCCAGGAGTGTG
CCAACATCTATGGCTCCTACAGTGTACTGCCGCCAGGGCTACCAGTGGCTGAGGATGGGCACACCTG
CACAGACATCGACGAGTGTGCTCAAGGCCCGGCATCCTCTGCACCTCCGCTGTCTCAACGTGCCAGGG
AGCTACCAGTGTGCATGCCCTGAGCAGGGCTACACCATGACGGCCAACGGGAGTCTGCAAGGACGTGG
ATGAGTGTGCACTGGGTACCCACAACCTGTTCCGAGGCTGAGACCTGCCACAACATCCAGGGTAGCTTCCG
CTGCTGCGCTTCGAGTGTCTCCCAACTATGTCCAAGTCTCAAAACGAAGTGCAGCGCACACAGTGC
CATGACTTCTGGAGTGCCAGAACTCGCCAGCGCATCACGCACTACCAGTCAACTTCCAGACGGGCC
TCCTGGTGCCTGCGCATACTTCCGCATTGGCCCCGCGCCAGCCTTACGGGGGACACCATCGCCCTGAA
CATCATCAAGGGCAATGAGGAGGGCTACTTTGGCACGCGCAGGCTCAATGCCTACACGGGTGTGGTCTAC
CTGCAGCGGGCCGTGCTGGAGCCCCGGGACTTTGCCCTGGACGTGGAGATGAAGCTCTGGAGGCAGGGCT
CCGTACCACCTTCTGGCCAAGATGCACATCTTCTTACCACCTTTGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218622 representing NM_001004019
 Red=Cloning site Green=Tags(s)

```

MVLLEWEPAGAWLALGLALALGPSVAAAAPRQDCTGVCEPPLENCIEEALEPGACCATCVQQGACEGYQY
YDCLQGGFVGRVPAQSYFVDFGSTECSCPPGGGKISCQFMLCPELPPNCIEAVVVADSCPCQCGQVGCV
HAGHKYAAAGHTVHLPPCRACHCPDAGGELICYQLPGCHGNFSDAEEGDPERHYEDPYSYDQVEAVEAAT
ALGGEVQAGAVQAGAGGPPAALGGGSQPLSTIQAPPWPAVLPRTAAAALGPPAPVQAKARRVTEDESEEE
EEEEEREEMAVTEQLAAGGHRGLDGLPTTAPAGPSLPIQEERAEGARAEAGARPEENILDAQATSRS
TGPEGVTHAPSLGKAALVPTQAVPGSPRDPVKPSPHNILSTSLPDAAWIPPTREVPRKPQVLPHSHVEED
TDPNSVHSIPRSSPEGSTKDLIETCCAAGQQAIDNDECLIPESGTEDNVCRTAQRHCCVSYLQEKSCM
AGVLGAKEGETCGAEDNDSCGISLYKQCCDCCGLGLRVRAEQSCSESNPNLGYPCNHVMLSCCEGEEPLI
VPEVRRPPEAAAAPRVSEAEMAGREALSLGTEAELPNSLPGDDQDECLLLPGELCQHLCINTVGSYHCA
CFPGFSLQDDGRTCRPEGHPPQPEAPQEPALKSEFSQVASNTIPLPLQPNTCKDNGPCKQVCSTVGGSA
ICSCFPGYAIMADGVSCEDQDECLMGAHDCSRRQFCVNTLGSFYCVNHTVLCADGYILNAHRKCVDINEC
VTDLHTCSRGEHCVNTLGSFHCKYKALTCFPGYALKDGECEVDVDECAMGTHTCQPGFLCQNTKGSFYCQAR
QRCMDGFLQDPEGNCDVINECTSLSEPCRPFGSCINTVGSYTCQRNPLICARGYHASDDGKCVDVNECE
TGVHRCGEGQVCHNLPGSYRCDCKAGFQRDAFGRGCIDVNECWASPGRLCQHTCENTLGSYRCSASCGL
LAADGKRCEVDNECEAQRCSEQECANIYGSYQCYCRQGYQLAEDGHTCTDIDECAQGAGILCTFRCLNVP
SYQCACPEQGYMTANGRSCKDVDECALGTHNCSEAETCHNIQGSFRCLRFECPPNYVQVSKTKCERTTC
HDFLEQCNSPARITHYQLNFQTGLLVPAHIFRIGPAPAF TGDTIALNI IKGNEEGYFGTRRLNAYTGVVY
LQRAVLEPRDFALDVEMKLWRQGSVTTFLAKMHIFFTTFAL
  
```

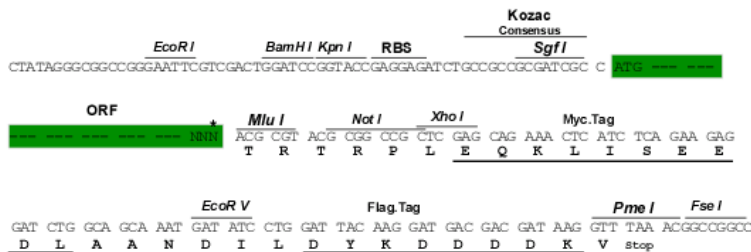
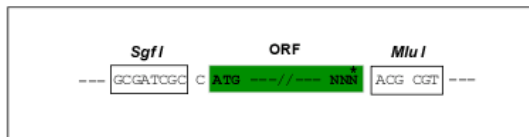
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8007_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



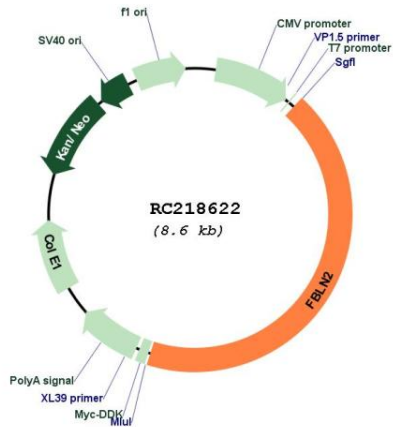
* The last codon before the Stop codon of the ORF

ACCN: NM_001004019

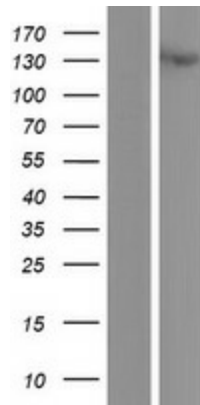
ORF Size: 3693 bp

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:	<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:	NM_001004019.2
RefSeq Size:	4334 bp
RefSeq ORF:	3696 bp
Locus ID:	2199
UniProt ID:	P98095
Cytogenetics:	3p25.1
Protein Families:	Secreted Protein
MW:	131.86 kDa
Gene Summary:	This gene encodes an extracellular matrix protein, which belongs to the fibulin family. This protein binds various extracellular ligands and calcium. It may play a role during organ development, in particular, during the differentiation of heart, skeletal and neuronal structures. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC218622



Western blot validation of overexpression lysate (Cat# [LY431683]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC218622] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).