

Product datasheet for **RC225606**

Fibulin 7 (FBLN7) (NM_001128165) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibulin 7 (FBLN7) (NM_001128165) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fibulin 7
Synonyms:	TM14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225606 representing NM_001128165 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCAGCTCTCCGCGCGCTCTTCCTTCTGCTCCTGATCCTCGCTGCCCGAGCCGCGGGCTT
CCCAGAAGTGTCTCAGCAAACAGCAGCTCCTCTCGCCATCCGCCAGCTGCAGCAGCTGTGAAGGGCCA
GGAGACACGCTTCGCGGAGGGCATCCGCCACATGAAGAGCCGGCTGGCCGCGCTGCAGAAGTCTGTGGC
AGGGTGGCCAGATGCCCTTCCAGTTTCTGCCGGCTCTGAACACCCCGCAGACGGCAGAAAGTTT
GAAGCAAGTACTTAGTGGATCACGAAGTCCATTTACCTGCAACCCTGGGTTCCGGCTGGTCCGGCCAG
CAGCGTGGTGTCTTCCAATGGCACCTGGACAGGGGAGCAGCCCACTGTAGAGGTATCAGTGAATGC
TCCAGCCAGCCTTGTCAAATGGTGTACATGTGTAGAAGGAGTCAACCAGTACAGATGCATTTGTCTC
CAGGAAGGACTGGGAACCGCTGTGACATCAGGCCAGACTGACGTGAACGAGTGTGAGCTCTACGGGCA
GGAGGGGCGCCCCGGCTCTGCATGCACGCTGCGTGAACACCCCGGGCTTTACCGTTGCACCTGCCCC
GGTGGATACCGAAGTCTGGCTGACGGGAAGAGCTGTGAGGATGTGGATGAATGTGTGGCCCTGCAGCCG
TGTGCCCCAGGGGACCACATGCATCAACACCGGTGGAAGCTTCCAGTGTGCAGCCCTGAGTCCCCGA
GGCAGCGGCAATGTGAGCTACGTGAAGACGTCTCCATTCCAGTGTGAGCGGAACCCCTGCCCATGGAC
AGCAGGCCCTGCCGCATCTGCCAAGACCATCTCCTTCCATTACCTCTCTGCCTTCCAACCTGAAGA
CGCCCATCAGCTCTTCCGCATGGCCACAGCCTCTGCCCCGGCCGAGCTGGGCCCAACAGCCTGCGGTT
TGGGATCGTGGGTGGGAACAGCCGCGGCCACTTTGTGATGCAGCGTTTCCAGCCGAGACTGGGGATCTG
ATCCTTGTGCAGAACCTGGAGGGCCTCAGACGCTGGAGGTGGACGTCGACATGTCGGAATACCTGGACC
GCTCCTCCAGGCCAACACAGTGTCCAAGGTCACCATCTTGTATCCCCATGACTTC

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225606 representing NM_001128165
 Red=Cloning site Green=Tags(s)

MVPSSPRALFLLLLILACPEPRASQNCLSKQQLLSAIRQLQQLLKQETRFAEGIRHMKSRALALQNSVG
 RVGPDALPVSCPALNTPADGRKFGSKYLVDHEVHFTCNPGFRLVGPSSVCLPNGTWTGEQPHCRGISEC
 SSQPCQNGGTCVEGVNQYRCICPPGRTGNRCQHQAQTDVNECEL YGQEGRPRLCMHACVNTPGSYRCTCP
 GGYRTLADGKSCEDVDECVGLQPVCPQGTTCINTGGSFQCVSPECEPGSGNVSYVKTSFQCERNPCPMD
 SRPCRHLPKTISFHLYSLPSNLKTPITLFRMATASAPGRAGPNSLRFGI VGGNSRGHFVMQSRDQTGD
 ILVQNLEGPQTLEVDVDMSEYLD RSFQANHYSKVTIFVSPYDF

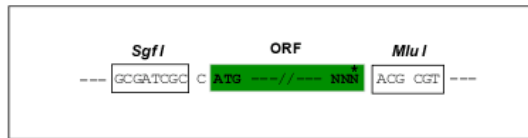
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001128165

ORF Size: 1179 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_001128165.1](#), [NP_001121637.1](#)

RefSeq ORF: 1182 bp

Locus ID: 129804

UniProt ID: [Q53RD9](#)

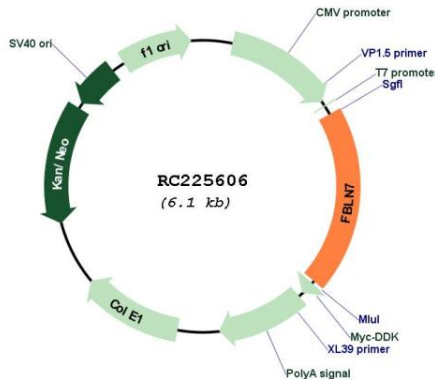
Cytogenetics: 2q13-q14.1

Protein Families: Druggable Genome

MW: 42.6 kDa

Gene Summary: An adhesion molecule that interacts with extracellular matrix molecules in developing teeth and may play important roles in differentiation and maintenance of odontoblasts as well as in dentin formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225606