

## Product datasheet for MR223114

### Fbn2 (NM\_010181) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fbn2 (NM_010181) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbn2
Synonyms:	BC063774; Fib-2; mKIAA4226; sne; sy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223114 representing NM_010181 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>MR223114 representing NM\_010181  
Red=Cloning site Green=Tags(s)

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PLYGKELRKLEEHNEDDYLLGVLGEALRMLQIQLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_010181

**ORF Size:** 8721 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\\_010181.2](#), [NP\\_034311.2](#)

**RefSeq Size:** 10480 bp

**RefSeq ORF:** 8724 bp

**Locus ID:** 14119

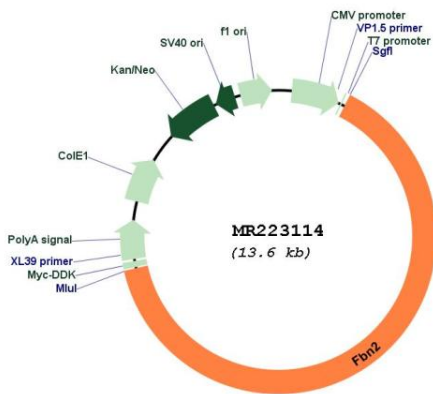
UniProt ID: [Q61555](#)

Cytogenetics: 18 32.15 cM

MW: 314.3 kDa

**Gene Summary:** Fibrillin-2: Fibrillins are structural components of 10-12 nm extracellular calcium-binding microfibrils, which occur either in association with elastin or in elastin-free bundles. Fibrillin-2-containing microfibrils regulate the early process of elastic fiber assembly. Regulates osteoblast maturation by controlling TGF-beta bioavailability and calibrating TGF-beta and BMP levels, respectively (PubMed:20855508).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR223114