

## Product datasheet for **MC226584**

### **Fgfbp1 (NM\_001271616) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fgfbp1 (NM\_001271616) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fgfbp1  
**Synonyms:** FGF-BP; FGF-BP1; FGFBP-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226584 representing NM\_001271616  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGACTCCACAGCCTCATCTGCTCTCCTTCTCCTGGCTACTCAGGCGTTCTCAGAAAAGGTCA  
 GAAAGAGAGCCAAGAACGCACCACAGCACAGCGGAGGAGGGGTAGAGGGTTCAGCTCCCTCGTTAGG  
 GAAGGCCAGAATAAGCAGAGAAGCAGGACATCTAAATCTCTGACGCATGGCAAGTTTGTACCAAAGAC  
 CAAGCCACATGCAGATGGGCTGTGACTGAGGAGGAGCAGGGCATCAGCCTGAAGTCCAGTGCACACAAG  
 CCGATCAGGAGTTTTCTTGTGTTTTGCTGGTGACCCAAGTACTGCCTTAAACACGACAAGACCAGAT  
 CTACTGGAACAGGTTGCCCGCACGCTGCGCAAACAGAAAAATATCTGCAGGAACGCCAAGAGTGTCTTG  
 AAGACCAGAGTGTGCAGAAAGAGATTTCCAGAGTCTAACCTCAAGCTGGTGAACCCCAACGCACGTGGAA  
 ACACGAAGCCCAGGAAGGAGAAAGCAGAGGTCTCCGCAAGGGAGCACAACAAGGTCCAAGAAGCTGTCTC  
 CACGGAGCCAAACAGGGTCAAAGAAGACATCACACTCAATCCAGCTGCGACCCAGACCATGGCCATTAGA  
 GATCCAGAGTGTCTAGAGGATCCAGATGTGCTCAACCAGAGGAAGACCGCCCTGGAGTTCTGTGGGAAT  
 CTTGGAGCTCCATTTGCACATTCTCTCAACATGTTACAGGCGCATCATGC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271616  
**Insert Size:** 756 bp



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**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](mailto: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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001271616.1](#), [NP\\_001258545.1](#)

**RefSeq Size:** 1248 bp

**RefSeq ORF:** 756 bp

**Locus ID:** 14181

**UniProt ID:** [O70514](#)

**Cytogenetics:** 5 B3

**Gene Summary:** Acts as a carrier protein that releases fibroblast-binding factors (FGFs) from the extracellular matrix (EM) storage and thus enhances the mitogenic activity of FGFs. Enhances FGF2 signaling during tissue repair, angiogenesis and in tumor growth (By similarity).

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.