

## Product datasheet for **RC200088**

### FIBP (NM\_004214) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FIBP (NM_004214) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FIBP
Synonyms:	FGFIBP; FIBP-1; TROFAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200088 representing NM_004214 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCAGTGAGCTGGACATCTTCGTGGGAACACGACCCTTATCGACGAGGACGTGTATCGCCTCTGGC  
TCGATGGTTACTCGGTGACCGACGCGGTGGCCCTGCGGGTGCCTCGGGAATCCTGGAGCAGACTGGCGC  
CACGGCAGCGGTGCTGCAGAGCGACACCATGGACCATTACCGCACCTCCACATGCTCGAGCGGCTGCTG  
CATGCGCCGCCAAGCTACTGCACCAGCTCATCTCCAGATTCCGCCCTCCGGCAGGCACTACTCATCG  
AGAGGTACTATGCCTTTGATGAGGCCTTTGTTCCGGAGGTGCTGGCAAGAAGCTGTCCAAGGCACCAA  
GAAAGACCTGGATGACATCAGCACCAAAACAGGCATCACCTCAAGAGCTGCCGGAGACAGTTTGACAAC  
TTTAAACGGGTCTTCAAGGTGGTAGAGGAAATGCGGGGCTCCCTGGTGGACAATATTCAGCAACACTTCC  
TCCTCTCTGACCGGTTGGCCAGGGACTATGCAGCCATCGTCTTCTTTGCTAAACAACCGCTTTGAGACAGG  
GAAGAAAAAAGCTGCAGTATCTGAGCTTCGGTGACTTTGCCTTCTGCGCTGAGCTCATGATCCAAAAGTGG  
ACCCTTGAGCCGTCGACTCACAGATGGATGACATGGACATGGACTTAGACAAGGAATTTCTCCAGGACT  
TGAAGGAGCTCAAGGTGCTAGTGGCTGACAAGGACCTTCTGGACCTGCACAAGAGCCTGGTGTGCACTGC  
TCTCCGGGAAAGCTGGGCGTCTTCTCTGAGATGGAAGCAACTCAAGAACCTGTCCCGGGGCTGGTG  
AACGTGGCCGCAAGCTGACCCACAATAAAGATGTCAGAGACCTGTTTGTGGACCTCGTGGAGAAGTTTG  
TGGAACCCTGCCGCTCCGACCACTGGCCACTCAGCGACGTGCGGTTCTTCTGAATCAGTATTCAGCGTC  
TGTCACCTCCCTCGATGGCTTCCGACACCAGGCCCTCTGGGACCCTACATGGGACCCTCCGCGGCTGC  
CTCCTGCGCTGTATCATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC200088 representing NM\_004214  
Red=Cloning site Green=Tags(s)

MTSELDIFVGNTTLIDEDVYRLWLDGYSVTDVAVALRVRSIGILEQTGATAAVLQSDTMDHYRTFHMLERLL  
 HAPPKLLHQLIFQIPPSRQALLIERYAFDEAFVREVLGKKLSKGTKKDLDDISTKTGITLKSRRQFDN  
 FKRVFVKVVEEMRGLVDNIQQHFLLSDRLARDYAAIVFFANNRFETGKKLQYLSFGDFAFCAELMIQNW  
 TLGAVDSQMDDMDMLDKEFLQDLKELKVLVADKDLLDLHKSLVCTALRGKLGVFSEMEANFKNLSRGLV  
 NVAAKLTHNKDVRDLFVDLVEKFVEPCRSDHWP LSDVRFFLNQYSASVHSLDGFRRHQALWDRYMGTLRGC  
 LLRLYHD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1559\\_b08.zip](https://cdn.origene.com/chromatograms/ja1559_b08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_004214

**ORF Size:** 1071 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\\_004214.5](#)

**RefSeq Size:** 1429 bp

**RefSeq ORF:** 1074 bp

**Locus ID:** 9158

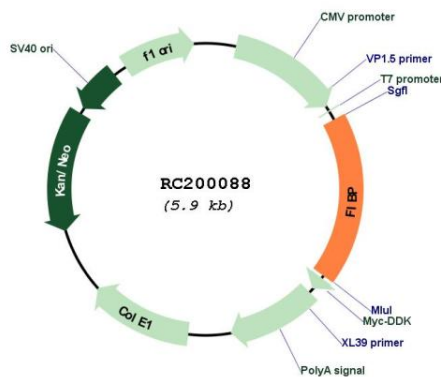
**UniProt ID:** [O43427](#)

**Cytogenetics:** 11q13.1

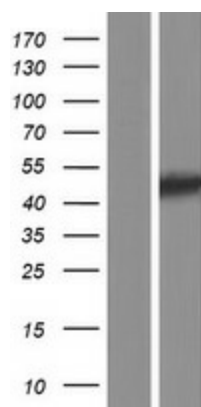
**MW:** 41 kDa

**Gene Summary:** Acidic fibroblast growth factor is mitogenic for a variety of different cell types and acts by stimulating mitogenesis or inducing morphological changes and differentiation. The FIBP protein is an intracellular protein that binds selectively to acidic fibroblast growth factor (aFGF). It is postulated that FIBP may be involved in the mitogenic action of aFGF. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RC200088



Western blot validation of overexpression lysate (Cat# [LY418142]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200088 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).