

Product datasheet for **RG200088**

FIBP (NM_004214) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FIBP (NM_004214) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FIBP
Synonyms:	FGFIBP; FIBP-1; TROFAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200088 representing NM_004214 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACTGAGCTGGACATCTTCGTGGGGAACACGACCCTTATCGACGAGGACGTGTATCGCCTCTGGC
TCGATGGTTACTCGGTGACCGACGCGGTGGCCCTGCGGGTGCCTCGGGAATCCTGGAGCAGACTGGCGC
CACGGCAGCGGTGCTGCAGAGCGACACCATGGACCATTACCGCACCTCCACATGCTCGAGCGGCTGCTG
CATGCCCGCCCAAGCTACTGCACCAGCTCATCTCCAGATTCCGCCCTCCCGGCAGGCACTACTCATCG
AGAGGTACTATGCCTTTGATGAGGCCTTTGTTCCGGGAGGTGCTGGGCAAGAAGCTGTCCAAGGCACCAA
GAAAGACCTGGATGACATCAGCACCAAAACAGGCATCACCTCAAGAGCTGCCGGAGACAGTTTGACAAC
TTTAAACGGGTCTTCAAGGTGGTAGAGGAAATGCGGGGCTCCCTGGTGGACAATATTCAGCAACACTTCC
TCCTCTCTGACCGGTTGGCCAGGGAATATGCAGCCATCGTCTTCTTGTCTAAACCGCTTTGAGACAGG
GAAGAAAAAATGCAGTATCTGAGCTTCGGTGACTTTGCCTTCTGCGCTGAGCTCATGATCCAAAATCTGG
ACCCTTGAGCCGTCGACTCACAGATGGATGACATGGACATGGACTTAGACAAGGAATTTCTCCAGGACT
TGAAGGAGCTCAAGGTGCTAGTGCTGACAAGGACCTTCTGGACCTGCACAAGAGCCTGGTGTGCACTGC
TCTCCGGGAAAGCTGGGCGTCTTCTCTGAGATGGAAGCAACTTCAAGAACCTGTCCCGGGGGCTGGTG
AACGTGGCCGCAAGCTGACCCACAATAAGATGTCAGAGACCTGTTTGTGGACCTCGTGGAGAAGTTTG
TGGAACCTGCCGCTCCGACCACTGGCCACTCAGCGACGTGCGGTTCTTCTGAATCAGTATTCAGCGTC
TGTCACCTCCCTCGATGGCTTCCGACACCAAGCCCTCTGGGACCGCTACATGGGACCCCTCCGCGGCTGC
CTCCTGCGCCTGTATCATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200088 representing NM_004214
 Red=Cloning site Green=Tags(s)

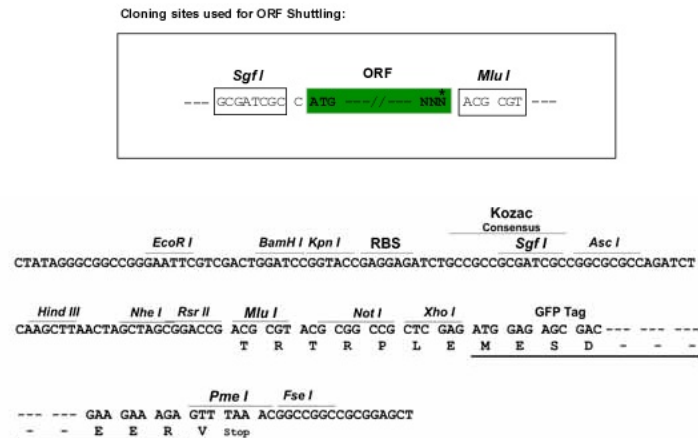
MTSELDIFVGNTTLIDEDVYRLWLDGYSVTDALRVRSRGILEQTGATAAVLQSDTMDHYRTFHMLERLL
 HAPPKLLHQLIFQIPPSRQALLIERYYAFDEAFVREVLGKKLSKGTKKDLDDISTKTGITLKSCRRQFDN
 FKRVFVKVVEEMRGSVDNIQQHFLLSDRLARDYAAIVFFANNRFETGKKLQYLSFGDFAFCAELMIQNW
 TLGAVDSQMDDMDMDLDKEFLQDLKELKVLVADKDLLHLKSLVCTALRGKLGVSFSEMEANFKNLSRGLV
 NYAAKLTHNKDVRDLFVDLVEKFVEPCRSDHWPPLSDVRFFLNQYASVHSLDGFRRHQLWDRYMGTLRGC
 LLRLYHD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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

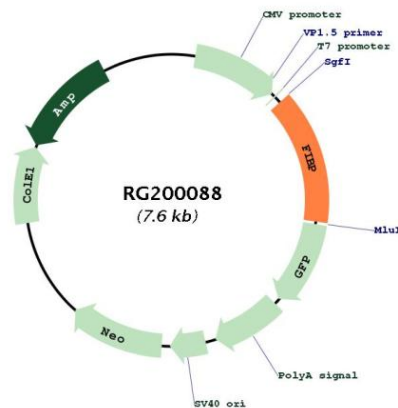
Locus ID: 9158

UniProt ID: [O43427](#)

Cytogenetics: 11q13.1

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 RG200088