

**Specifications:**

Gene:	<i>mFgfbp1</i>
Accession:	NP_032035
Insert size:	769bp
Concentration:	10µg at 0.2µg/µL

**mFGF-BP cDNA  
Plasmid**

**Fgfbp1 fibroblast growth factor binding protein 1 [ *Mus musculus* (house mouse) ]**

**Also known as:** FGF-BP; FGF-BP1; FGFBP-1

**Summary:**

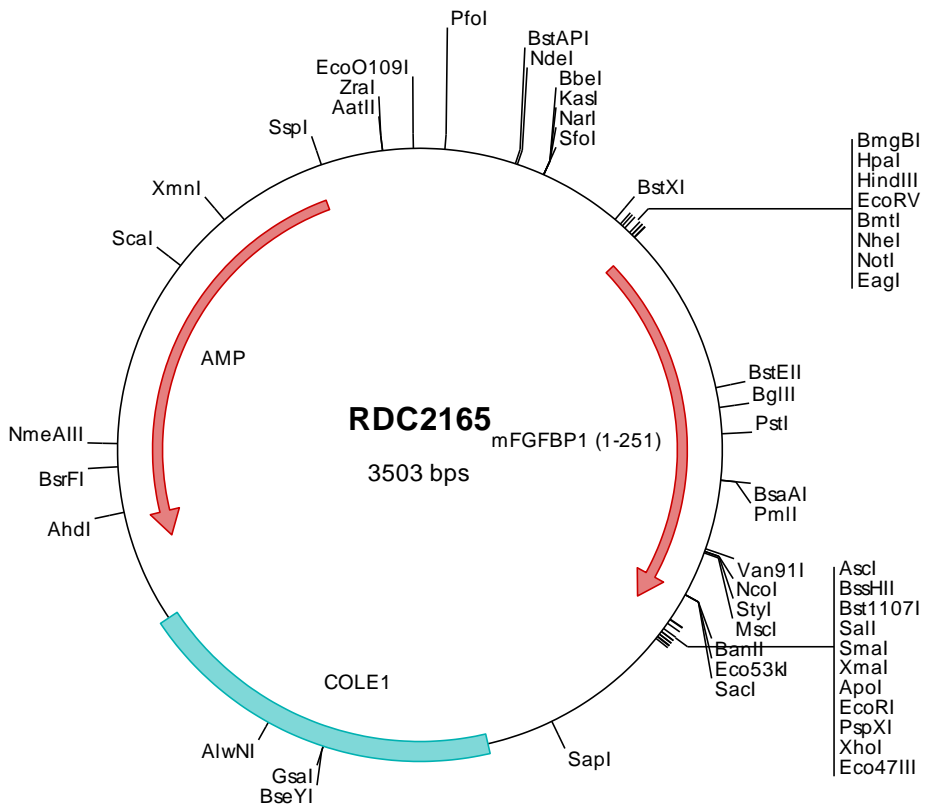
FGF-BP is a secreted glycoprotein that increases the bioavailability of fibroblast growth factors (FGFs). FGF-BP is expressed throughout development and in adult squamous epithelium. It is upregulated in injured skin, renal tubular epithelium, and spinal nerves as well as in carcinomas of the skin, colon, and pancreas. FGF-BP binds FGF-1, -2, -7, -10, and -22 which are secreted and sequestered in the extracellular matrix (ECM). FGF-BP enhances the mitogenic effects of FGFs, thereby contributing to epithelial, endothelial, and neuronal tissue repair, angiogenesis, and tumor growth.

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC2165 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacgggtc  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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> RDC2165 Translated Insert Sequence

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201  paatqtmair  dpeclcdpvd  lnqrktalef  cgeswssict  fflnmlqats  c

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