

Specifications:

Gene:	<i>h</i> FGF9
Accession:	NP_002001.1
Insert size:	640bp
Concentration:	10µg at 0.2µg/µL

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.

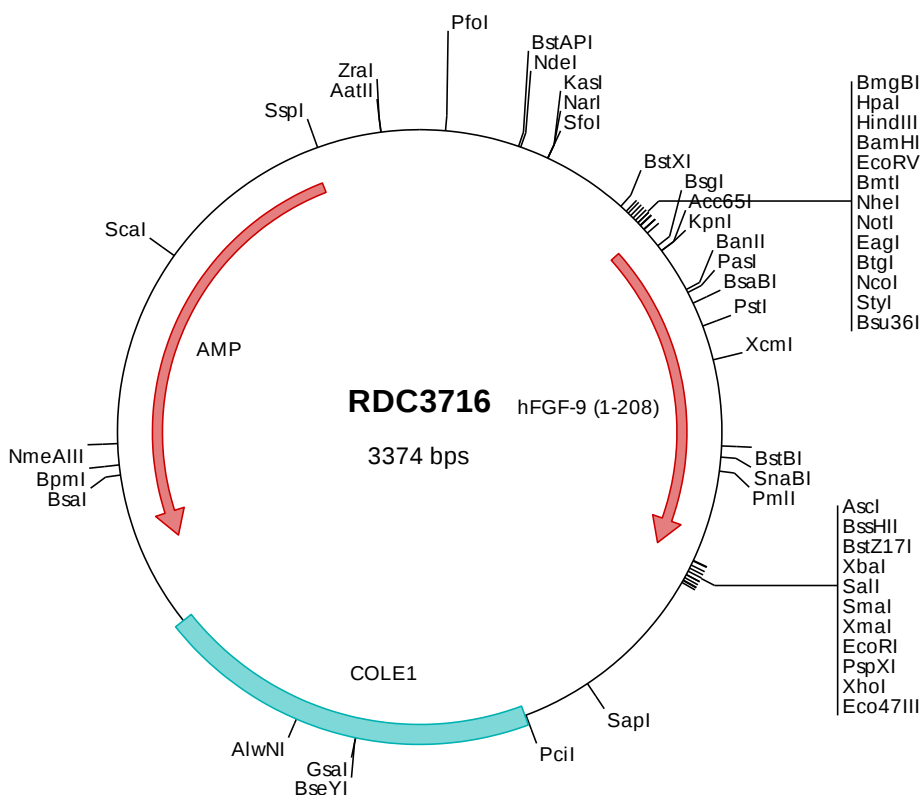
*h*FGF-9 cDNA Plasmid

FGF9 fibroblast growth factor 9
[*Homo sapiens* (human)]

Also known as: GAF; FGF-9; SYNS3;
HBFG-9; HBGF-9

Summary:

FGF-9 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-9 was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, FGF-9 is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of FGF-9 was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3716 Plasmid DNA Sequence

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1   tcgcgcgttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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3201  gcatttatca  gggttattgt  ctcatgagcg  gatacatatt  tgaatgtatt  tagaaaaata  aacaaatagg  gggtcccgcg  acatttcccc  gaaaagtggc
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> RDC3716 Translated Insert Sequence

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201  ykdilsqs

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