*m*FGF-15 VersaClone cDNA

Catalog Number: RDC3337

Specifications:

Gene:	*m*Fgf15
Accession:	NP_032029.1
Insert size:	670bp
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

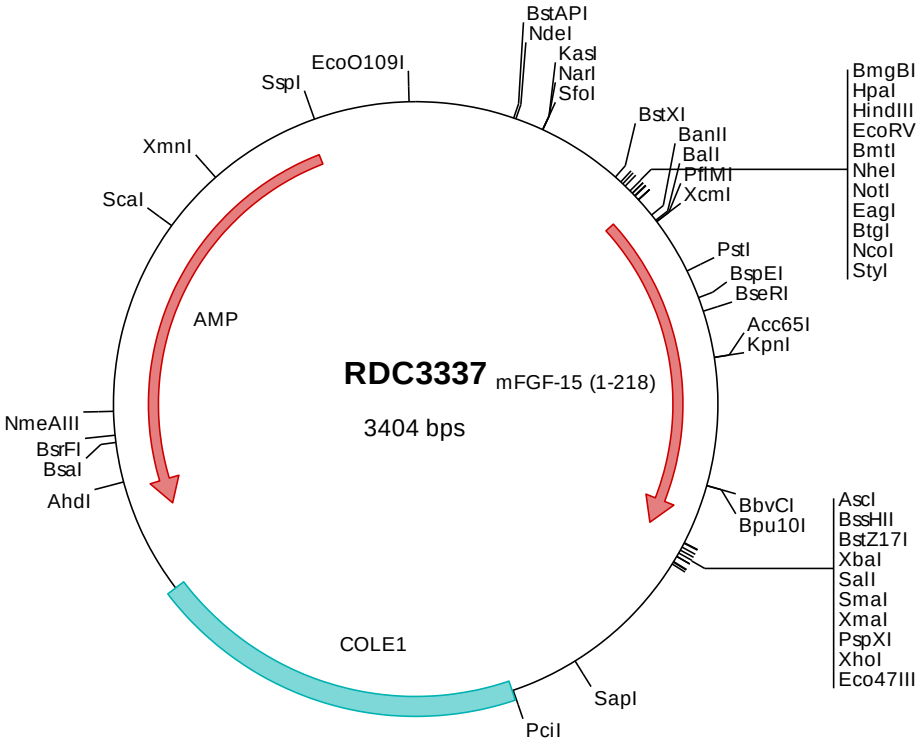
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*FGF-15 cDNA Plasmid

Fgf15 fibroblast growth factor 15
[*Mus musculus* (house mouse)]

Also known as: FGF19; Fgf8a

Summary:
FGF-15 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-15 is a high affinity, heparin dependent ligand for FGFR4. Expression of FGF-15 was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC3337 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcgagaa agtggaacgg gcgtgcggtg gcccgagccc tggtcctggc
 501  cactctgtgg ctggctgtgt ctgggcgtcc cctggcccag caatcccagt ctgtgtcaga tgaagatcca ctctttctct acggctgggg caagattacc
 601  cgcctgcagt acctgtactc cgctggtccc tatgtctcca actgcttcct ccgaatccgg agcgacggct ctgtggactg cgaggaggac caaaacgaac
 701  gaaatttgtt ggaattccgc gcggtcgctc tgaagacgat tgccatcaag gacgtcagca gcgtgcggta cctctgcatg agcgcggacg gcaagatata
 801  cgggctgatt cgctactcgg aggaagactg taccttcagg gaggaaatgg actgtttagg ctacaaccag tacagatcca tgaagcacca tctccatatc
 901  atcttcatcc aggccaagcc cagagaacag ctccaggacc agaaaccctc aaactttatc cccgtgtttc accgctcctt ctttgaaacc ggggaccagc
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1101  gaaataaagg cgcgccagta tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt ggcgtaatca tggtcatagc tgtttcctgt
1201  gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt
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1401  gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga
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1601  cccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg
1701  tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc gctttctcaa tgctcacgct gtaggtatct
1801  cagttcggtg taggtcgttc gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg gtaactatcg tcttgagtcc
1901  aacccggtaa gacacgactt atcgccactg gcagcagcca ctggtaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggt
2001  ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa
2101  acaaaccacc gctggtagcg gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgatctt ttctacgggg
2201  tctgacgctc agtggaacga aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt
2301  ttaaatcaat ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcttaatca gtgaggcacc tatctcagcg atctgtctat ttcgttcatc
2401  catagttgcc tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac cgcgagaccc acgctcaccg
2501  gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaactttat ccgcctccat ccagtctatt aattgttgcc
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3001  gctcatcatt ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca ctcgtgcacc caactgatct
3101  tcagcatctt ttactttcac cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac
3201  tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata aacaaatagg
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3401  cgtc
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> RDC3337 Translated Insert Sequence

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101  dvssvrylcm sadgkiygli ryseedctfr eemdclgynq yrsmkhhlhi ifiqakpreq lqdqkpsnfi pvfhrsffet gdqlrskmfs lplesdsmdp
201  frmvedvdhl vkspsfqk
```