

Specifications:

Gene:	hFGFR1
Accession:	NP_075598
Insert size:	2482bp
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.

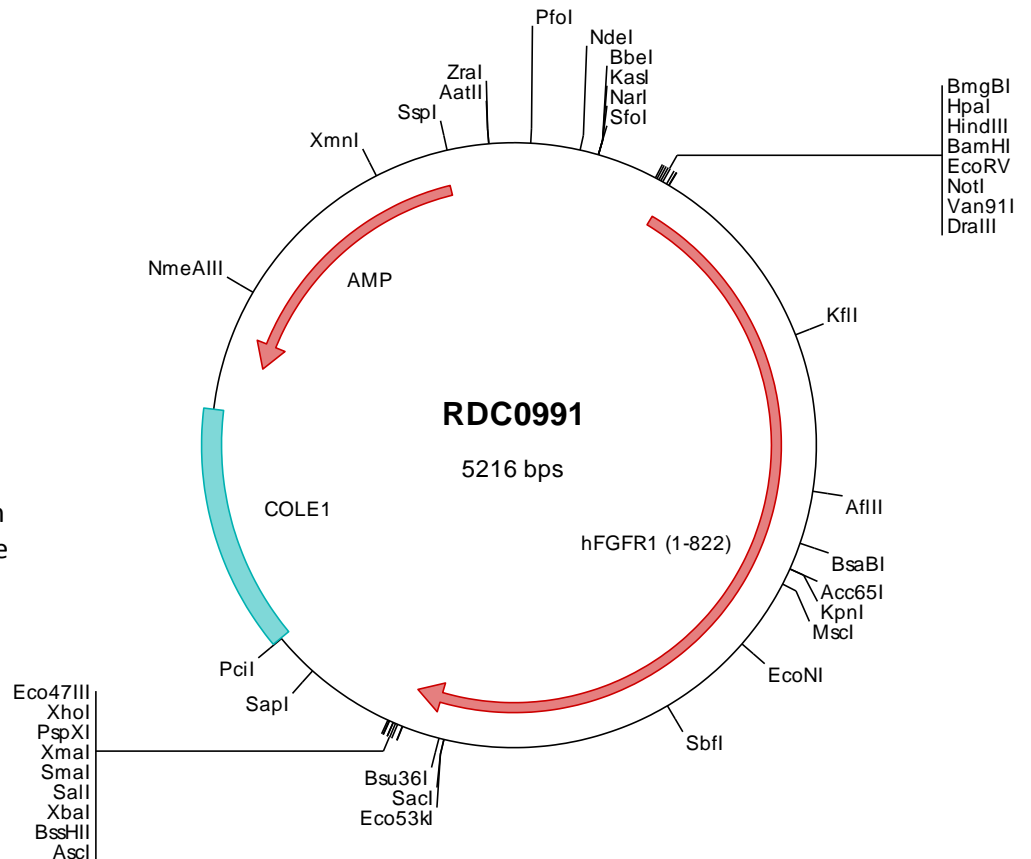
hFGFR1 cDNA Plasmid

FGFR1 fibroblast growth factor receptor 1 [*Homo sapiens*]

Also known as: CEK; FLG; HH2; OGD; FLT2; KAL2; BFGFR; CD331; FGFR; FLT-2; HBGFR; N-SAM; FGFR-1; bFGF-R-1

Summary:

FGFR1 is a member of the fibroblast growth factor receptor (FGFR) family. FGFR1 binds both acidic and basic fibroblast growth factors and plays an essential role in the regulation of embryonic development, cell proliferation, differentiation, and migration. Mutations in FGFR1 have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Alternatively spliced transcripts encoding different protein have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0991 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcegggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattc caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tgcgtagcgc gggcgccacc atgtggagct ggaagtgcct cctcttctgg gctgtgctgg tcacagccac
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701 agggagtgga ggtgcaggac tccgtgcccg cagactccgg cctctatgct tgcgtaacca gcagcccctc gggcagtgac accactact tctccgtcaa
801 tgtttcaagt gctctccctc cctcggagga tgatgatgat gatgatgact cctcttcaga ggagaaagaa acagataaca ccaaaccaaa ccgtagtccc
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> RDC0991 Translated Insert Sequence

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201 hriggykvry atwsiimsvd vpsdkgnytc iveneysgin htyqldvver sphrpilqag lpanktvalg snvefmckvy sdpqphiqwl khievngski
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401 sgtkksdfhs qmavhklaks iplrrqvtvs adssasmnsg vllvrpsrls ssgtpmlagv seyelpedpr welprdrvlv gkplgegcgfv qvvlaeaigl
501 dkdkpnrvtk vavkmlksda tekdlslis ememmknigk hkninllga ctgdgplyiv veyaskgnlr eylqarrppg ley cynpshn peeqlsskdl
601 vscayqvarg meylaskkci hrdaaarnvl vtednvmkia dfglaridih idykykttnv rlpvkwnape alfdriythg sdvwsfgvll weifltggsp
701 ypgvpveelf kllkeghrmd kpsnctnely mmmrdcwhav psqrptfkql vedldrival tsnqeyldls mpldqyspsf pdtrstscss gedsvfshp
801 lpeepclprh paqlanglkk rr