

Specifications:

Gene:	hFGFR3
Accession:	NP_001156685
Insert size:	2440bp
Concentration:	10µg at 0.2µg/µL

hFGFR3 cDNA Plasmid

**FGFR3 fibroblast growth factor
receptor 3 [*Homo sapiens*
(human)]**

Also known as: ACH; CEK2; JTK4;
CD333; HSFGR3EX

Summary:

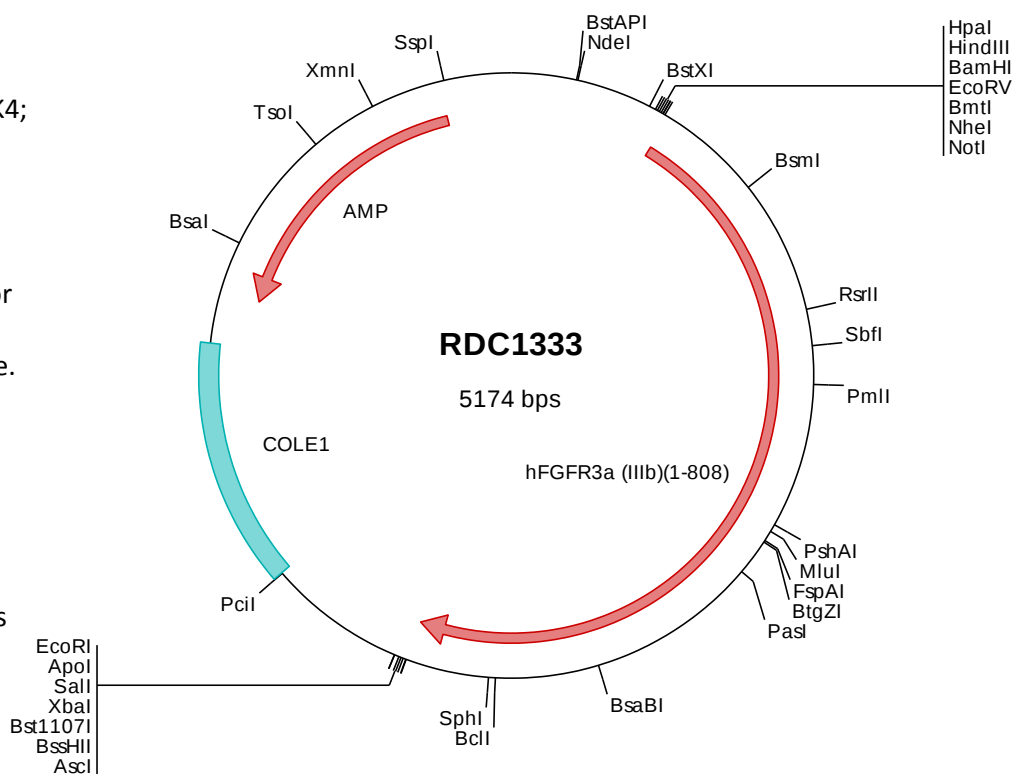
FGFR3 is a member of the fibroblast growth factor receptor family. FGFR3 binds acidic and basic fibroblast growth hormone. It plays an essential role in the regulation of cell proliferation, differentiation, and apoptosis. FGFR3 is required for normal skeleton development. Mutations in FGFR3 may be associated with craniosynostosis and multiple types of skeletal dysplasia. Alternatively spliced transcripts encoding different proteins have been described. This isoform is known as FGFR3a (IIIb).

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1333 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcggggc tcttcgctat
301  tacgccagct ggcgaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
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701  cggagcgtgt cctggtgggg ccccgagcgc tgcaggtgct gaatgcctcc cagcaggact ccggggccta cagctgcggg cagcggctca cgcagcgcgt
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> RDC1333 Translated Insert Sequence

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601  yqvargmeyl asqkcihrdl aarnvlvted nmkwiadfgl ardvhnldyy kkttngrlpv kwmapealfd rvythqsdvw sfgvllweif tlgspsypgi
701  pveelfkllk eghrmdkpan cthdlymimr ecwhaapsqr ptfkqlvedl drvlvtstd eyldlsapfe qyspggqdt p ssssgddsv fahdllppap
801  pssggart

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