*h*FGFR3 VersaClone cDNA

Catalog Number: RDC1195

Specifications:

Gene:	*h*FGFR3
Accession:	NP_000133
Insert size:	2434bp
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

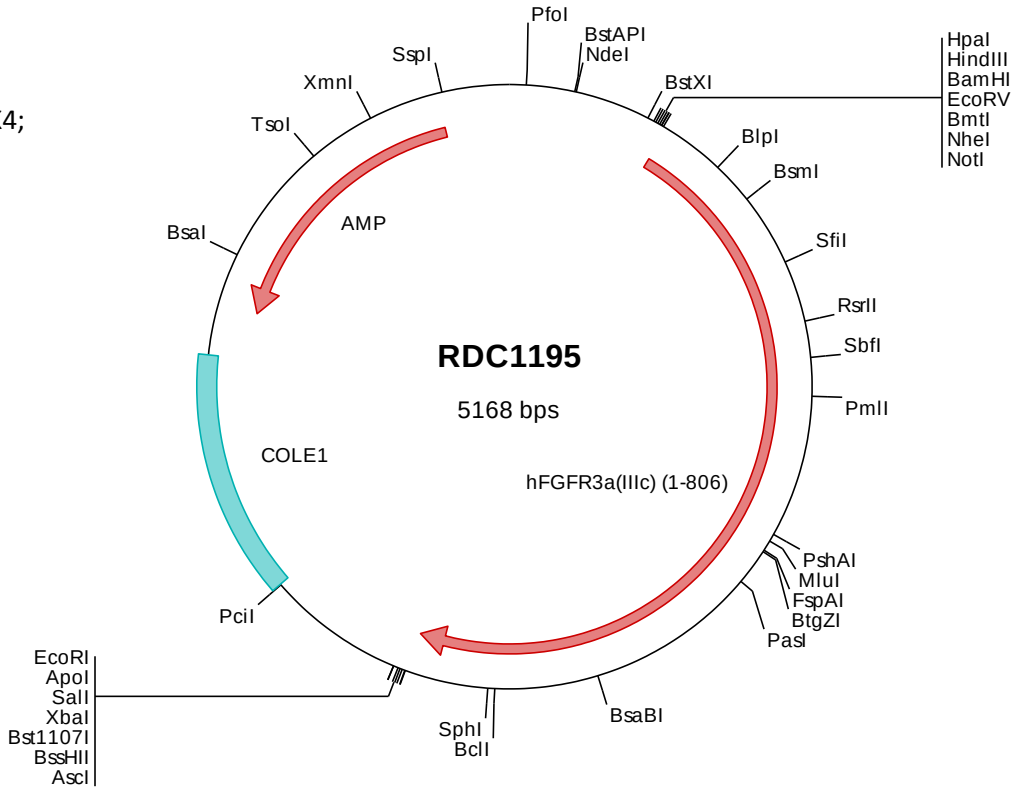
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*FGFR3 cDNA Plasmid

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

Also known as: ACH; CEK2; JTK4; CD333; HSFGFR3EX

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 (IIIc).



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1195 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 701  cggagcgtgt cctggtgggg ccccagcggc tgcaggtgct gaatgcctcc cacgaggact ccggggccta cagctgccgg cagcggctca cgcagccgcgt
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 901  ccttactgga cacggcccga gcggatggac aagaagctgc tggccgtgcc ggccgccaac accgtccgct tccgctgccc agccgctggt aaccccactc
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1801  ctggccaatg tctccgagct cgagctgcct gccgacccca aatgggagct gtctcgggcc cggctgaccc tgggcaagcc ccttggggag ggctgcttcg
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2001  ggacctgtcg gacctggtgt ctgagatgga gatgatgaag atgatcggga aacacaaaaa catcatcaac ctgctgggcg cctgcacgca gggcgggccc
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2901  cccggggaat tcctcgagcg ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat
3001  acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac
3101  ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct
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> RDC1195 Translated Insert Sequence

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