

Specifications:

Gene:	mFgfr3
Accession:	NP_032036
Insert size:	2416bp
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.

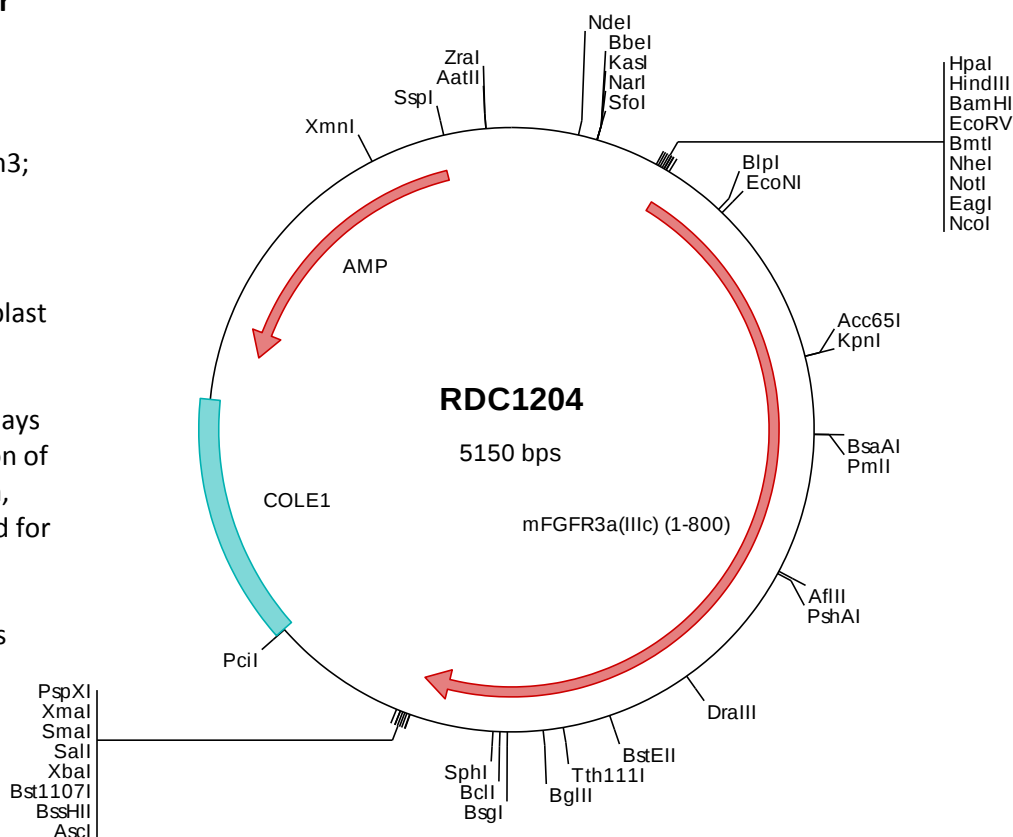
mFGFR3 cDNA Plasmid

Fgfr3 fibroblast growth factor receptor 3 [*Mus musculus* (house mouse)]

Also known as: FR3; Mfr3; sam3; CD333; Flg-2; HBGFR; Fgfr-3

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).





> RDC1204 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgttg taacaagctt ggaatccgata tcgctagcgc ggccgcaccc atggtagtc cggcctgcgt gctagtgttc tgctgtggcg tcgtgtgtgg
501  agctactctc gagcctcctg gtccagagca gcgagttgtg cggagagcgg cagaggttcc agggcctgaa cctagccagc aggagcaggt ggccttcggc
601  agtggggaca ccgtggagct gagctgccat cctcctggag gtgccccacc agggccacg gtctgggcta aggatggtac aggctctggg gcttcccacc
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> RDC1204 Translated Insert Sequence

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201  rhqqwslvme svvpsdrgny tcvvenkfgs irqtytldvl ersphrpilq aglpanqta lgsdvefhck vysdaqphiq wlkhvevngs kvpgdgtpyv
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401  gspthkvsvr fplkrqvsle snssmnsntp lvriarlssg egpvlanvse lelpadpkwe lsrttrltlgk plgegcfqgv vmaeaigdk drtakpytva
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601  ylasqkcihr dlaarnvlvt ednmvkiadf glardvhnld yykkttngrl pvkwnapeal fdrvythqsd vwsfgvllwe iftlggspyp gipveelfkl
701  lkeghrmdkp ascthdlymi mrecwhavps qrptfkqlve dldriltvts tdeyldlsvp feqyspggqd tpsssssgdd svfthdllep gppsnggprt

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