

Specifications:

Gene:	mFgfr3
Accession:	NP_001156689
Insert size:	2422bp
Concentration:	10µg at 0.2µg/µL

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:

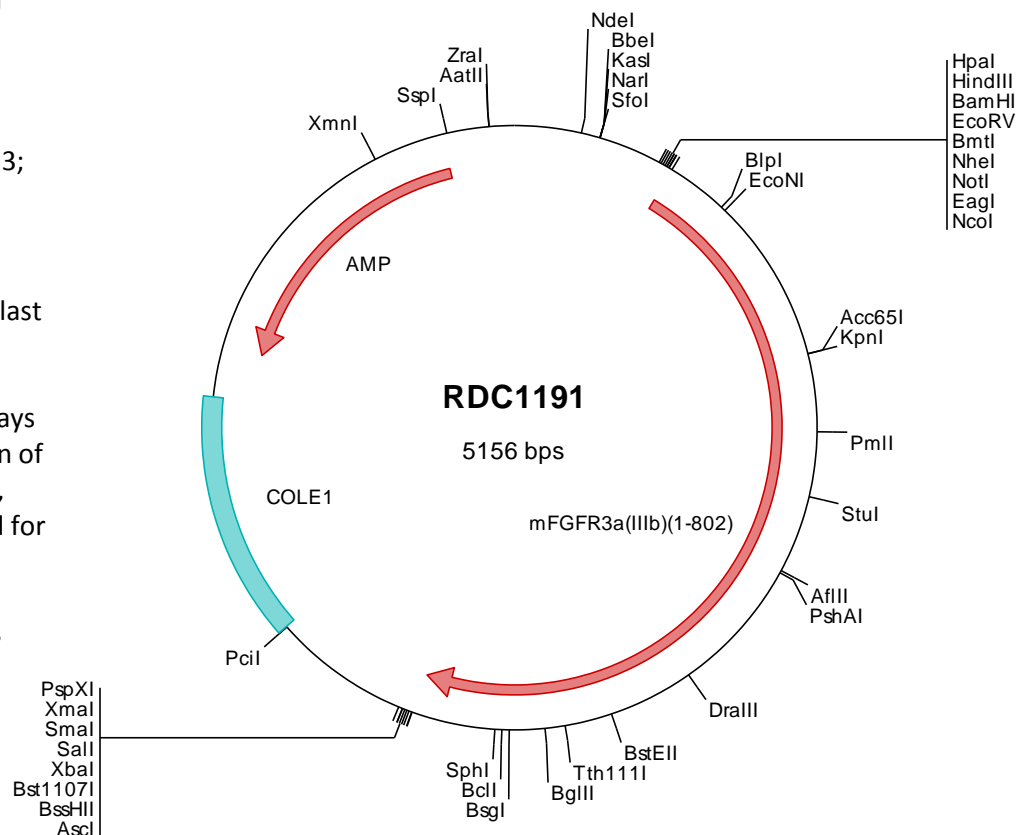
FGFR3 is a member of the fibroblast growth factor receptor family. FGFR3 binds acidic and basic fibroblast growth hormone. It plays an essential role in the regulation of cell proliferation, differentiation, and apoptosis. FGFR3 is required for normal skeleton development. Mutations in FGFR3 may be associated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



> RDC1191 Plasmid DNA Sequence

1 tcgctgcttt cggatgatgac ggtgaaacc tetgacacat gcaactccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagccc
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtg accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaagg ggaatgtctg caaggcgatt aagtgggta acgcccagg tttccagtc acgactgtg aaaacgacg ccagtgaatt
401 ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcccac atggtagtcc cggcctgcgt gctagtgttc tgcgtggcgg tcgtggtggg
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601 agtgggggaca ccgtggagct gagctgccat cctcctggag gtgcccacc agggcccacg gctctgggcta agga tggtagc aggtctgggt gcctcccacc
701 gcatcctggt ggggocctcag aggtgcaag tgcataatgc ctcccacgaa gatgcagggg tctacagctg ccagcaccgg ctoactcggc gtgtgtctgt
801 ccactcagct gtggcgtgtaa cagatgctcc atcctcagga gatgcgaag atggggagga cgtggctgaa gacacagggg ctcttattg gactcggccg
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1401 ccgctgctgc aatgtgtcgg aagggcagcg gggcgagtag ctctcctcag ctacacact cataggcgtg gctgagaagg ccttttggct acgtgttacc
1501 gggcccacaag cagctgagga ggagctgatg gaaactgatg aggtcggcag cgtgtaocga ggctcctca gctacggggt ggtcttcttc ctcttaacc
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> RDC1191 Translated Insert Sequence

1 mvvpacvlvf cvavvagats eppgpegrvv rraaevpvpg psqgqevfaf sgdtvelsch ppggaptgpt vwakdgtglv ashrlivgpp rlvqlnashe
101 dagvyscqhr ltrrvlchfs vrvtdapssg ddedgedvae dtgapywtrp ermdklllav paantvrfrc paagnptpsi swlknkgefr gehrigikl
201 rhqqwslvme svvpsdrngy tcvvenkfgs irqytyldvl ersphrpilq aglpanqtaf lgsdvefhck vysdaqphiq wlkhvevngs kvgpdgtpyv
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401 glgspvtvhkv srfplkrqvs lesnssmnsn tplvriarls sgegplvanv selelpadpk welsrtrltl gkplgecgf qvmaeaigi dkdrakpvt
501 vavkmlkdda tdkdlsdlvs ememmkmigk hkniinllga ctgggplyvl veyaaqgnlr eflrarrppg mdysfdacr1 peeqltckdl vscayqvarg
601 meylasqkci hrdlaarnvl vtednvmkia dfglardvhn ldykkttng rlpvkwmape alfdryvthy sdvwsfgvll weiflrgssp ypgipveelf
701 kllkeghrmd kpascthdly mimrecwhav psqrptfkql vedldriltv tstdeyldls vpfegyspgg qdtpsssssg ddsvfthdl1 ppppsnggp
801 rt