

Product datasheet for **RR212341**

Fgf21 (NM_130752) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf21 (NM_130752) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf21
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212341 representing NM_130752
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGACTGGATGAAATCTAGAGTTGGGGCCCCGGGACTGTGGGTCTGTCTCCTGCTGCCTGTCTTCCTGC
TGGGGGTGTGCGAGGCATACCCATCTCTGACTCCAGCCCCCTCCTCCAGTTTGGGGTCAAGTCCGACA
GAGGTATCTCTACACAGATGACGACCAGGACCCGAAGCCACCTGGAGATCAGGGAGGACGGAACAGTG
GTGGGCACAGCACACCGAGTCCAGAAAGTCTCCTGGAGCTCAAAGCCTTGAAGCCAGGGGTCATTCAAA
TCCTGGGTGTCAAAGCCTCTAGGTTTCTTTGCCAACAACCAGATGGAACCTCTCTATGGATCGCCTCACT
TGATCCTGAGGCCTGCAGTTTCAGAGAGCTGCTGCTTAAGGACGGATAACAATGTGTACCAGTCTGAGGCC
CATGGCCTGCCCTGCGTCTGCCCCAGAAGGACTCCCAGGATCCAGCAACCCGGGACCTGTGCGCTTCC
TGCCCATGCCAGGCCTGCCCCACGAGCCCCAAGAGCAACCAGGAGTCCTTCCCCAGAGCCCCCAGATGT
GGGTTCTCCGACCCCTGAGCATGGTAGAGCCTTGAAGGCCGAAGCCCCAGCTATGCATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212341 representing NM_130752
Red=Cloning site Green=Tags(s)

MDWMKSRVGPGLWVCLLLPVFLLGVCEAYPISDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTV
VGTAHRSPELLELALKPGVIQILGVKASRFLCQQPDGTLYGSPHFDPEACSFRELLLDKGYNVYQSEA
HGLPLRLPQKDSQDPATRGVRFPLPMPGLPHEPQEQPGVLPPEPPDVGSSDPLSMVEPLQGRSPSYAS

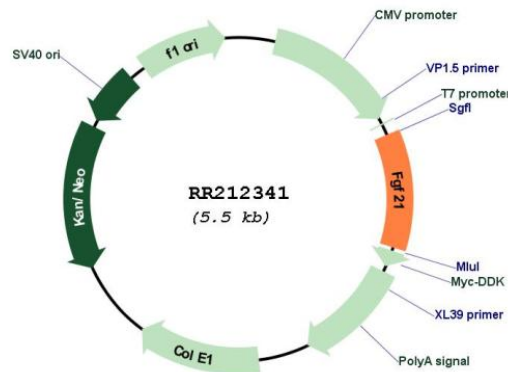
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_130752

ORF Size: 624 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_130752.1, NP_570108.1</u>
RefSeq Size:	627 bp
RefSeq ORF:	627 bp
Locus ID:	170580
Cytogenetics:	1q22
MW:	22.9 kDa
Gene Summary:	member of the fibroblast growth factor (FGF) family; implicated in activities including embryonic development, cell growth, morphogenesis, tissue growth, and tumor growth and invasion [RGD, Feb 2006]