

Product datasheet for **RR201080**

Fgf10 (NM_012951) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf10 (NM_012951) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf10
Synonyms: FGF-10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201080 representing NM_012951
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAATGGATACTGACACATTGTGCCTCAGCCTTCCACCTGCCGGGCTGCTGTTGCTGCTTCT
TGTTGCTCTTCTGGTGTCTCCGTCCCTGTACCTGCCAAGCTTTGGTCAGGACATGGTGTACCGGA
GGCTACCAACTCCTCTTCTCCTCCTCTTCTCCTCCTCGTCCTTCTCCTCTCCTTCCAGCGCG
GGGAGGCATGTGCGAAGCTACAATCACCTCCAGGAGATGTCGGCTGGAGAAAGCTGTTCTCCTTACCA
AGTACTTTCTCAAGATTGAAAAGAACGGCAAGGTCAGCGGGACCAAGAAGGAAAACCTGTCGTACAGTAT
CCTAGAGATAACATCAGTGGAAATCGGAGTTGTTGCCGTCAAAGCCATTAAACAGCAACTATTACTTAGCC
ATGAACAAGAAGGGGAACTCTATGGCTCAAAGAATTTAACAATGACTGTAAACTGAAAGAGAGGATAG
AGGAAAATGGATACAACACCTATGCATCTTTAACTGGCAGCACAAACGGCAGGCAAAATGTATGTGGCATT
GAATGAAAAGGAGCTCCAGGAGAGGACAAAAACAAGAAGGAAAAACACCTCCGCTCACTTCTCCCC
ATGGTGGTCCACTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201080 representing NM_012951
 Red=Cloning site Green=Tags(s)

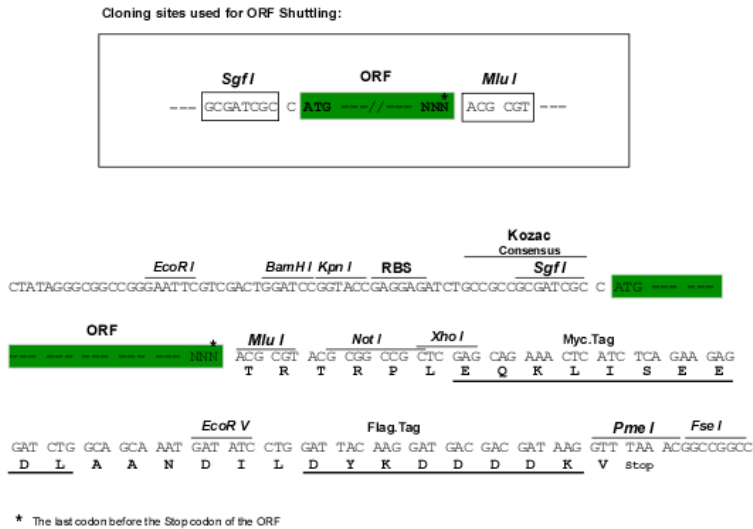
MWKWILTHCASAFPHLPGCCCCFLLLFLVSSVPVTCQALGQDMVSPEATNSSSSSSSSSSSSSSSFSSPSSA
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 MNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLP
 MVVHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

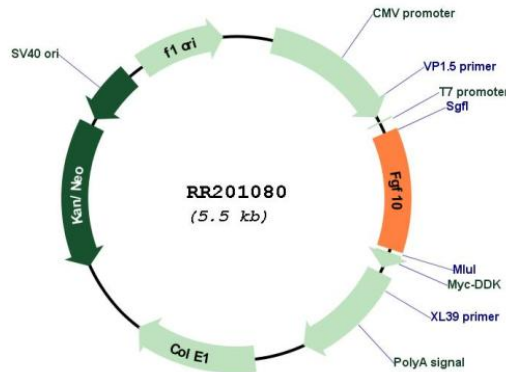
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012951

ORF Size: 645 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:	NM_012951.1 , NP_037083.1
RefSeq Size:	648 bp
RefSeq ORF:	648 bp
Locus ID:	25443
UniProt ID:	P70492
Cytogenetics:	2q15
MW:	24 kDa
Gene Summary:	binds the KGFR receptor, a splice variant of FGFR-2; may contribute to tissue regeneration and angiogenesis after acute pancreatitis [RGD, Feb 2006]