

## Product datasheet for **RR200457**

### **Fgfr2 (NM\_001109896) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_001109896) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgfr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR200457 representing NM\_001109896  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG  
GGCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGCCCTGGCCCGGCCCTCCTTCAGTTTAGT  
TGAAGATAACACTTTAGAACAGAGGAGCACCCTACTGGACCAACACCGAAAAGATGGAGAAGCGGCTC  
CATGCTGTCCCTGCCCAACACTGTGAAGTCCGCTGTCCAGCCGGGGGAATCCAACACCCACAATGA  
GGTGGCTAAAAACGGGAAGGAGTTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGAAACCAGCA  
CTGGAGCCTTATTATGAAAAGTGTGGTCCCATCAGACAAAGGCAATTACACCTGCCTGGTGGAGAATGAA  
TACGGGTCCATCAACCACACCTACCACCTTGATGTTGTTGAGCGATCACACACCGGCCCATCTCCAAG  
CTGGACTGCCTGCAAATGCCTCCACGGTGGTGGAGGGGACGTAGAATTTGTCTGCAAGGTTTATAGTGA  
TGCCACGCCCCATATCCAGTGGATCAAACATGTGAAAAGAACGGCAGTAAATATGGACCTGATGGGCTG  
CCCTACCTCAAGTCTGAAGGCCGCGGTGTTAACACCACGGACAAAGAAATTGAGTTCTCTATATTC  
GGAATGTAACTTTTGAGGATGCTGGGAATATACGTGCTTGGCGGTAATTCTATCGGGATATCCTTTCA  
CTCTGCATGGTTGACAGTTCTGCCAGCACCTGTGAGAGAGAAGGAGATCACAGCTTCCCCAGATTACCTG  
GAGATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCCTGCATGGTGGTGACAGTCATCTTTTGCCGAA  
TGAAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACCAAGCGCATCCC  
CCTGGCGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCCCACTGGTGAGG  
ATAACGACACGTCTGTCTCAACGGCGGACCCCGATGCTAGCAGGGTCTCTGAGTACGAGTTGCCAG  
AGGATCCAAAAGTGGGAATCCCCAGAGATAAGCTGACGCTGGGCAAACCCCTGGGGGAAGGCTGCTTCGG  
GCAAGTAGTCATGGCTGAAGCGGTGGGAATCGATAAGGACAGACCCAAGGAGGCAGTCACCGTGGCGGTG  
AAGATGTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTGAGAGATGGAGATGATGAAGA  
TGATTGTTAAACATAAGAACATCATCAACCTCCTGGGGCCTGCACCCAGGATGGACCCCTCTATGTCAT  
AGTCGAATACGCATCGAAAGGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTGGCATGGAGTAC  
TCCTATGACATTAACCGAGTTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCTGCACCTACCAGC  
TGGCGAGAGGCATGGAGTACTTGGCTTCCCAAAAATGTATCCATCGAGACTTGGCAGCCAGAAATGTGCT  
GGTAACAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATATCAACAACATAGACTAT  
TACAAAAGACCACGAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTTGTATAGAGTTT  
ACACTCATCAGAGTGATGTCTGGTCTTCGGGGTGTAAATGTGGGAGATCTTCACTTTAGGGGTTCCACC  
CTACCCAGGGATTCCCGTGGAGGAATTTTAAAGCTGCTCAAAGAGGGCCACAGGATGGACAAGCCACC  
AACTGCACCAATGAAGTGTACATGATGATGAGGGACTGCTGGCATGCTGTACCCTCACAGAGGCCACGT  
TTAAGCAGTTGGTGAAGACTTGGATCGAATCTGACTCTCACAACCAATGAGGAATACTTGGACCTCAC  
CCAGCCTCTCGAACAGTATTCTCTAGTTACCCCGACACAAGGAGCTCTTGTCTTCAGGGGACGATTCT  
GTGTTTTCTCCAGACCCCATGCCTATGACCCCTGCCTGCCTCAGTATCCACACATAAACGGCAGTGTTA  
AAACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR200457 representing NM\_001109896  
 Red=Cloning site Green=Tags(s)

MGLPSTWRYGTGPGIGTVMVSWGRFICLVLTMTLSLARPSFSLVEDTTLEPEGAPYWTNTEKMEKRL  
 HAVPAANTVKFRCPAGGNPTPTMRWLKNGKEFKQEHRIGGYKVRNQHWSLIMESVVP SDKGNYTCLVENE  
 YGSINHTYHLDVVERSPHRPILQAGLPANASTVGGDVEFVCKVYSDAQPHIQWIKHVEKNGSKYGPDGL  
 PYLKVLKAAGVNTDKEIEVLYIRNVT FEDAGEYTC LAGNSIGISFHSAWLTVLPAPVREKEITASPDYL  
 EIAIYCIYGVFLIACMVVTVIFCRMKTTTKKPDFSSQPAVHKLTKRIPLRRQVTVSAESSMNSNTPLVR  
 ITTRLSSTADTPMLAGVSEYELPEDPKWEFPRDKLTLGKPLGEGCFQVVM AEAVGIDKDRPKEAVTVAV  
 KMLKDDATEKDLSDLVSEMEMMKMIGKHKNIINLLGACTQDGPLYVIVEYASKGNLREYLRARRPPGMEY  
 SYDINRVPEEQMTFKDLVSCYQLARGMEYLA SQKCIHRDLAARNVLTENNVMKIADFLARDINNIDY  
 YKKTNGRLPVKWMAPEALFDRVYTHQSDVW SFGVLMWEIFTLGGSPYPGIPVEELFKLLKEGHRMDKPT  
 NCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRILTLTTNEEYLDLTQPLEQYSPSPDTRSSCSSGDDS  
 VSPDPMPYDPCLPQYPHINGSVKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

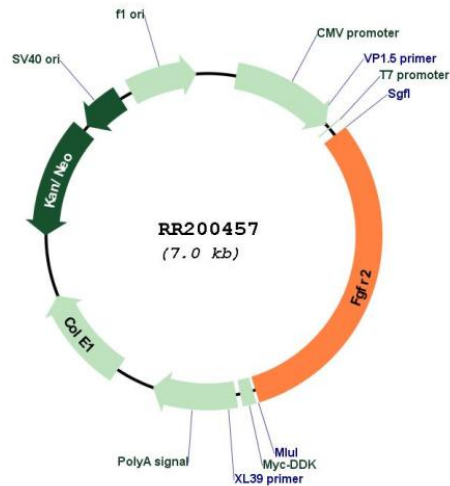
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001109896

ORF Size: 2175 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:**

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\\_001109896.1](#), [NP\\_001103366.1](#)

RefSeq Size: 4306 bp

RefSeq ORF: 2178 bp

**Locus ID:** 25022  
**Cytogenetics:** 1q37  
**MW:** 81.4 kDa  
**Gene Summary:** may play a role in mesodermal cell differentiation [RGD, Feb 2006]