

Product datasheet for **RR200452**

Fgfr2 (NM_012712) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr2 (NM_012712) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgfr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR200452 representing NM_012712
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGATTACCGTCCACATGGAGATATGGAACAGGACCAGGGATTGGCACCGTGACCATGGTCAGCTGGG
 GCGCTTCATCTGCCTGGTCTTGGTCACCATGGCAACCTTGTCCCTGGCCCGGCCCTCCTTCAGTTTAGT
 TGAAGATAACCACTTTAGAACAGAGCCACCAACAAATACCAAACTCCCAACCAGAAGCGTGCGTG
 GTTGCCCCCGGGGAGTCGCTAGAGTTGCGCTGCATGTTGAAAGATGCCGCGGTGATCAGTTGGACTAAGG
 ATGGGGTGCACCTTGGGGCCCAACATAGGACAGTGCTTATTGGGGAGTACCTCCAGATAAAAAGTGGCCAC
 ACCTAGAGACTCCGGCTCTATGCTTGTGCTGCAGCTAGGACGGTAGACAGTGAAACTTTGTACTTCATG
 GTGAATGTCACAGATGCCATCTCATCTGGAGATGACGAGGACGACACAGATAGCTCCGAAGACTTTGTCA
 GTGAGAACAGGAGCAACCAGAGAGCACCCTACTGGACCAACCCGAAAAGATGGAGAAGCGGCTCCATGC
 TGTCCCTGCCCAACACTGTGAAGTTCGCTGTCCAGCCGGGGGAATCCAACCCACAATGAGGTGG
 CTAACCAACCGGAAGGAGTTAAGCAGGAGCATCGCATCGGAGGCTATAAGGTACGAAACCAGCACTGGA
 GCCTTATTATGGAAGTGTGGTCCCATCAGACAAGGCAATTACACCTGCCTGGTGGAGAATGAATACGG
 GTCCATCAACCACACTACCACCTTGATGTTGTTGAGCGATCACCAACCCGGCCCATCCTCCAAGCTGGA
 CTGCCTGCAATGCCTCCACGGTGGTCGGAGGGGACGTAGAATTTGTCTGCAAGTTTATAGTGATGCC
 AGCCCCATATCCAGTGGATCAACATGTGGAAGAAGCGCAGTAAATATGGACCTGATGGGCTGCCCTA
 CCTCAAGTCTGAAGCACTCGGGGATAAATAGCTCCAATGCAGAAGTGTGGCTCTGTTCAATGTGACG
 GAGATGGATGCTGGGGAATATATGTAAGTCTCCAATTATATAGGGCAGGCCAACAGTCTGCCTGGC
 TCACTGTCTGCCAAACAGCAAGCACCTGTGAGAGAGAAGGAGATCACAGCTTCCCAGATTACCTGGA
 GATAGCTATTTACTGCATAGGGGTCTTCTTAATCGCCTGCATGGTGGTGACAGTCACTTTTTGCCGAATG
 AAGACCACGACCAAGAAGCCAGACTTCAGCAGCCAGCCAGCTGTGCACAAGCTGACCAAGCGCATCCCC
 TCGGAGACAGGTAACAGTTTCGGCCGAGTCCAGCTCGTCCATGAACTCCAACACCCCACTGGTGGAGT
 AACGACACGTCTGTCTCAACGGCGGACACCCCGATGCTAGCAGGGGTCTCTGAGTACGAGTTGCCAGAG
 GATCCAAGTGGGAATCCCCAGAGATAAGCTGACGCTGGGCAAACCCCTGGGGGAAGGCTGCTTCGGGC
 AAGTAGTCATGGCTGAAGCGGTGGGAATCGATAAGGACAGACCAAGGAGGCAGTACCCTGGCGGTGAA
 GATGTTGAAAGATGACGCCACAGAGAAGGACCTGTCTGACCTGGTGTGAGATGGAGATGATGAAGATG
 ATTTGGTAAACATAAGAACATCATCAACCTCCTGGGGCCTGCACCCAGGATGGACCCCTCTATGTCATAG
 TCGAATACGCATCGAAAGCAACCTCCGGGAATACCTCCGGGCCCGGAGGCCACCTGGCATGGAGTACTC
 CTATGACATTAACCGAGTTCCCGAGGAGCAGATGACCTTCAAGGACTTGGTGTCTGCACCTACCAGCTG
 GCGAGAGGCATGGAGTACTTGGCTTCCCAAAAATGTATCCATCGAGACTTGGCAGCCAGAAAATGTCTGG
 TAACAGAAAACAACGTGATGAAGATAGCAGACTTTGGCCTGGCCAGGGATATCAACAACATAGACTATTA
 CAAAAGACCACGAATGGGCGACTTCCAGTCAAGTGGATGGCTCCTGAAGCCCTTTTGTAGAGTTTAC
 ACTCATCAGAGTGTCTGGTCTTTCGGGGTGTAAATGTGGGAGATCTTCACTTTAGGGGGTTCACCCT
 ACCCAGGGATCCCCTGGAGGAACCTTTTAAAGTGTCTAAAGAGGGCCACAGGATGGACAAGCCCACCAA
 CTGCACCAATGAACTGTACATGATGATGAGGGACTGCTGGCATGCTGTACCCTCACAGAGGCCACGTTT
 AAGCAGTTGGTGAAGACTTGGATCGAATTCTGACTCTACAACCAATGAGGAATACTTGGACCTCACCC
 AGCCTCTCGAACAGTATTCTCTAGTTACCCCGACACAAGGAGCTCTTGTCTTACAGGGGACGATTTCTGT
 GTTTTCTCCAGACCCCATGCCTTATGACCCTGCCTGCCTCAGTATCCACACATAAACGGCAGTGTTAA
 ACAACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200452 representing NM_012712
Red=Cloning site Green=Tags(s)

MGLPSTWRYGTGPGIGTVMVSWGRFICLVLTMATLSLARPSFSLVEDTTLEPEEPPTKYQISQPEACV
VAPGESLELRCMLKDAAVISWTKDGVHLGPNRTVLIGEYLQIKGATPRDSGLYACAAARTVDSETLYFM
VNVTDAISSGDDEDDTDSSEDFVSENRSNQRAPYWTNTEKMEKRLHAVPAANTVKFRCPAGGNPTPTMRW
LKNGKEFKQEHRIIGGYKVRNQHWSLIMESVVP SDKGNYTCLVENEYGSINHTYHLDVVERSPHRPILQAG
LPANASTVVGDDVEFVCKVYSDAQPHIQWIKHVEKNGSKYGPDGLPYLKVLKHSGINSSNAEVLALFNVT
EMDAGEYICKVSNYIGQANQSAWLTVLPKQAPVREKEITASPDYLEIAIYCIGVFLIACMVVTVIFCRM
KTTTKKPDFSSQPAVHKLTKRIPLRRQVTVSAESSSSMNSNTPLVRITTRLSSSTADTPMLAGVSEYELPE
DPKWEFPRDKLTLGKPLGEGCFGQVMAEAVGIDKDRPKEAVTVAVKMLKDDATEKDLSDLVSEMEMMKM
IGKHKNIINLLGACTQDGPLYVIVEYASKGNLREYL RARRPPGMEYSYDINRVPEEQMTFKDLVSCITYQL
ARGMEYLASQKCIHRDLAARNVLVTENVMKIADFGLARDINNIDYYKKTNGRLPVKWM APEALFDRVY
THQSDVWSFGVLMWEIFTLGGSPYPGIPVEELFKLLKEGHRMDKPTNCTNELYMMMRDCWHAVPSQRPTF
KQLVEDLDRILTLTTNEEYLDLTQPLEQYSPSPDTRSSCSSGDDSVFSPDMPYDPCLPQYPHINGSVK
TT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1294_d06.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_012712

ORF Size: 2523 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_012712.1](#), [NP_036844.1](#)

RefSeq Size: 4654 bp

RefSeq ORF: 2526 bp

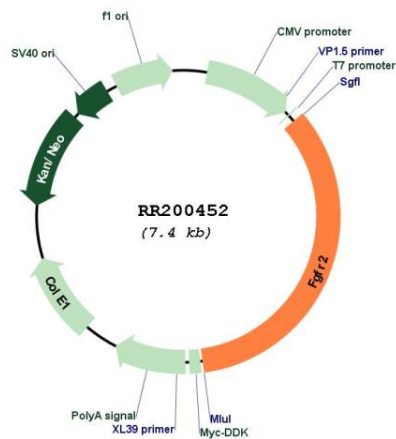
Locus ID: 25022

Cytogenetics: 1q37

MW: 94.2 kDa

Gene Summary: may play a role in mesodermal cell differentiation [RGD, Feb 2006]

Product images:



Circular map for RR200452