

Product datasheet for **RR212243**

Fgfr1 (NM_024146) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgfr1 (NM_024146) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgfr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212243 representing NM_024146
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGGCTGGAGGGCCTCCTTCTGGGCTGTGCTGGTACAGCCACTCTCTGCACTGCCAGACCAG
 CCCAACCTTGCCGAACAAGCTCAGCCCTGGGGAGTCCCTGTGGAAGTGGAGTCTCTCCTGGTCCACCC
 TGGTGACCTGCTACAGCTTCGCTGCCGGCTGCGCGATGATGTGCAGAGCATCAACTGGCTGCGGGATGGG
 GTGCAGCTGGCGGAAAGCAACCGTACACGCATCACAGGGGAGGAGGTGGAGGTGCGGGATTCCATCCCCG
 CTGACTCTGGCCTCTACGCTTGTGTGACCAACAGCCCCTCTGGCAGCGATACCACCTACTTCTCCGTCAA
 TGTCTCAGATGCACTGCCATCCTCGGAGGACGATGACGATGATGACTCCTCCTCAGAGGAGAAAAGAG
 ACAGACAACACCAAAACCAACCGTAGGCCTGTGGCGCCATACTGGACATCCCCAGAGAAAATGGAGAAGA
 AACTGCACGCAGTGCCAGCTGCCAAGACGGTGAATTCAAATGCCCGTCGAGTGGGACACCCAGCCCCAC
 TTTGCGCTGGTTGAAAAACGGCAAGGAATTCAAACCTGACCACCGGATCGGAGGCTACAAGTTTCGTTAC
 GCCACTTGGAGCATCATAATGGACTCTGTGGTGCCTTCTGACAAGGGCAACTACACCTGCATCGTGGAGA
 ACGAGTATGGGAGCATTAAACACACCTACCAGTAGACGTTGTGGAGCGATCCCCTACCAGGCCATCCT
 TCAGGCAGGGCTACCAGCCAACAAGACCGTGGCCCTGGGCAGCAACGTGGAGTTCATGTGCAAGGTGAC
 AGTGACCCCCAGCCTCACATCCAGTGGCTGAAGCACATCGAGGTGAATGGGAGTAAGATCGGTCCAGACA
 ACTTGGCGTATGACCAGATCCTGAAGACTGCTGGAGTTAATACCACCGACAAGGAAATGGAGGTGCTTCA
 TCTACGGAATGTCTCCTTGGAGGATGCGGGGGAGTACGCTGCTTGGCGGTAACCTATCGGACTCTCC
 CATCACTCTGCATGGTTGACCGTCTTGGAAAGCCCTGGAAGAGAGACCAGCCGTGATGACCTCACCTCTGT
 ACCTGGAATCATTATCTACTGCACCGGGCCTTCTGATCTCCTGTATGGTGGGCTCCGTCATCATCTA
 CAAGATGAAGAGCGGCACCAAGAAGAGCGACTTCCATAGCCAGATGGCTGTGCATAAGCTGGCTAAGAGC
 ATCCCTCTCCGCAGACAGGTAACAGTGTGACTGACTCCAGCGCATCCATGAACTCCGGGGTTCTCCTGG
 TTCGGCCTTCGCGACTGTCTCCAGCGGAACCCCATGCTAGCTGGCGTCTCTGAATATGAGCTCCCTGA
 AGATCCCCGCTGGGAGCTGCCCCGGGACAGACTGGTCTTAGGAAAACCGCTTGGCGAGGGCTGCTTCGGG
 CAGGTGGTGTGGCCGAAGCCATCGGTCTGGATAAAGGACAAACCAACCGCGTGACCAAAGTGGCCGTGA
 AGATGTTGAAGTCTGATGCGACGGAGAAGGACCTGTCGGACCTGATCTCGGAGATGGAGATGATGAAAAT
 GATCGGGAAGCACAAGAATATCATCAACCTGCTGGGGCGTGCACACAGGATGGTCTCTCTATGTCATT
 GTGGAGTATGCCCTCAAAGGCAATCTTCGGGAGTATCTGCAGGCCCGGAGGCCTCCTGGGCTGGAGTATT
 GCTACAACCCAGCCACAACCTGAGGAACAGCTGTCTTCAAAGATCTGGTGTCTGTGCCTATCAGGT
 GGCCCCGGGCATGGAGTATCTTGCTCGAAGAAGTGTATACACCGAGACCTGGCTGCTAGGAATGTCCTG
 GTGACAGAGGATAATGTCATGAAGATCGCAGACTTTGGCCTAGCTCGAGACATTCACCATATCGACTACT
 ATAAGAAAACCAATGGCCGGCTGCCTGTGAAGTGGATGGCACCTGAGGCATTGTTTGACCGGATCTA
 CACCCACAGAGTGATGTGTGGTCTTTTGGGGTCTCTTATGGGAGATATCACTCTGGGTGGCTCACCA
 AACCCCGCGTGCCTGTGGAAGAACTTTTCAAGCTGTTGAAGGAGGTCATCGAATGGACAAGCCCAGTA
 ACTGTACCAATGAGCTGTACATGATGATGCGGGACTGCTGGAACGCAGTGCCTCTCAGAGACCAACTTT
 CAAGCAGTTGGTGAAGACCTGGACCGGATTGTGGCCTTGACCTCCAACCAGGAGTATCTGGACCTGCC
 ATGCCACTGGACCAGGACTCGCCAAGCTTCCGGACACACGGAGCTCTACCTGCTCTTCAGGGGAGGACT
 CTGTCTTCTCTATGAGCCATTTCTGAGGAGCCCTGTCTGCCCCGACACCCACCCAGCTTGCAATGG
 CGGACTCAACCGGCGC

ACGCGTACCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212243 representing NM_024146
Red=Cloning site Green=Tags(s)

MWGWRGLLFWAVLVTATLCTARPAPTLPEQAQPWGVPEVESLLVHPGDLLQLRCRLRDDVQSINWLRDG
VQLAESNRTRITGEEVEVRDSIPADSGLYACVTNSPSGSDTTYFSVNVSDALPSSSEDDDDDDSSSEEKE
TDNTKPNRRPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSGTPSPTLRWLKNGKEFKPDHRIGGYKVRY
ATWSIIMDSVVP SDKGNYTCIVENEYGSINHTYQLDVVERSPHRPILQAGLPANKTVALGSNVEFMCKVY
SDPQPHIQWLKHIEVNGSKI GPDNLPYDQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLS
HHSAWLTVLEALEERPAMTSPLYLEIIIIYCTGAFLISCMVGSV IYKMKSGTKK SDFHSQMAVHKLAKS
IPLRRQVTVSADSSASMNSGVLLVRPSRLSSSGTPMLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCFG
QVVLAEAIGLDKDPNRVTKVAVKMLKSDATEKDLSDLISEMEMMKMIGKHKNIINLLGACTQDGPLYVI
VEYASKGNLREYLQARRPPGLEYCYNPSHNPEEQ LSSKDLVSCAYQVARGMEYLASKKCIHRDLAARNVL
VTEDNVMKIADFG LARDIHHIDYKKTNGRLPVKWMPEALFDRIYTHQSDVVSFGVLLWEIFTLGGSP
NPGVPEELFKLLKEGHRMDKPSNCTNELYMMRDCWNAVPSQRPTFKQLVEDLDRIVALTSNQEYLDLS
MPLDQDSPSPDTRSSTCSSGEDSVFSHEPFPPEEPC LPRHPTQLANGGLNRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_024146

ORF Size: 2466 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_024146.1](#), [NP_077060.1](#)

RefSeq Size: 2469 bp

RefSeq ORF: 2469 bp

Locus ID: 79114

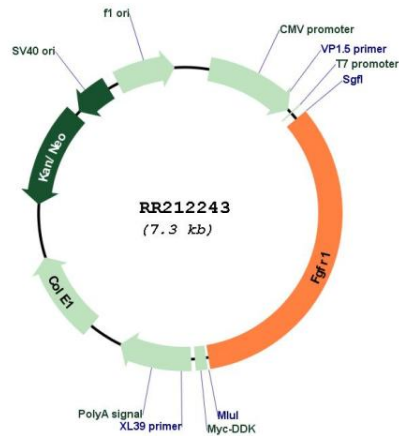
UniProt ID: [Q04589](#)

Cytogenetics: 16q12.4

MW: 91.8 kDa

Gene Summary: proportion of transmembrane and soluble extracellular isoforms may modulate fibroblast growth factor signaling; plays a role in regulation of neuronal cell proliferation [RGD, Feb 2006]

Product images:



Circular map for RR212243