

## Product datasheet for **RR212875**

### **Fgfr4 (NM\_001109904) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fgfr4 (NM_001109904) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgfr4
Synonyms:	MGC116290
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR212875 representing NM\_001109904  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTGCTGTTGGCTTTGTTGAGCATCTTTCAGGAGACACCAGCCTTCTCCCTTGAGGCCTCTGAGG  
 AAATGGAACAGGAGCCCTGCCAGCCCAATCTCGGAGCAGCAAGAGCAGGTGTTGACTGTGGCCCTTGG  
 GCAGCCTGTGCGGCTATGCTGTGGCCGACTGAGCGTGGTCGTCATTGGTACAAGGAGGGCAGCCGTTTA  
 GCATCTGCTGGGAGAGTACGGGGCTGGAGAGGCCGCTGGAGATCGCCAGCTTCTTCTGAGGATGCTG  
 GCCGGTACCTCTGCCTGGCCCGTGGCTCCATGACTGTCGTACACAATCTTACTTTGATTATGGATGACTC  
 CTTACCCTCCATCAATAACGAGGACCCCAAGACCCTCAGCAGCTCCTCGAGTGGGCACTCTACCTGCAG  
 CAAGCACCTTACTGGACACACCCCAACGCATGGAGAAGAACTGCACGCGGTACCTGCCGGGAACACTG  
 TCAAATTCGGCTGTCCAGCTGCAGGAACCCATGCCACCATCCACTGGCTCAAGAACGGACAGGCCTT  
 CCACGGAGAGAATCGTATCGGAGGCATTCGGCTGCGTCACCAACTGGAGCCTCGTGATGGAGAGCGTG  
 GTGCCCTCAGACCGTGGCACGTACACGTGCTTGTGGAGAATCTCTGGGTAGCATTGCTACAGCTATC  
 TGCTGGATGTGCTGGAGCGGTCCCCGCACCGGCCCATCCTGCAGGCGGGACTCCCAGCCAACACCACGGC  
 TGTGGTTGGCAGCAACGTGGAGCTGCTGTGCAAGGTGTACAGTGACGCCAGCCGCACATCCAGTGGCTG  
 AAGCACATCGTTATCAACGGCAGCAGTTTCGGCGCTGATGGTTTTCCCTACGTACAAGTCTGAAGACAA  
 CAGACATCAATAGCTCAGAGGTGGAGGTGCTGTATCTGAGGAACGTGTCGGCTGAGGATGACGGGGAGTA  
 CACCTGCCTGGCGGGCAACTCCATCGGCCTCTCCTACCAGTCAGCGTGGCTCACAGTGTACCCGCAGAG  
 GAAGAAGACCTCGCGTGGACAACAGCAACATCGGAGGCCAGATACAGATATTATCCTATATGTATCTG  
 GTCACCTGGCTTTGGTTTTGCTCCTGCTGCTGGCCGGGTGTATCACCGACAAGCAATCCACGGCCACCA  
 CTCTCGACAGCCTGTCACTGTACAGAAGCTGTCCCGTTCCCTTTGGCCCGGCAGTTCTCCTTGGAGTCTG  
 AGGTCTCTGGCAAGTCAAGTTTGTCCCTGGTGCAGGTGTCCGCTCTCCTCCAGTGGCCCGCCCTTGC  
 TCACGGCCCTTGTGAGTCTAGACCTACCTCTCGATCCACTTTGGGAGTTCCCCGGGACAGGCTGGTGT  
 CGGAAAGCCCTGGGTGAGGGCTGCTTTGGGCAAGTGGTTCGTGCAGAAGCCCTTGGCATGGATTCTCC  
 CGGCCAGACCAACCAGCACCGTGGCTGTGAAGATGCTGAAAGACAATGCCTCCGACAAGGATTTGGCAG  
 ACCTGATCTCTGAGATGGAGATGATGAAGCTAATCGGAAGACACAAGAACATCATTAACCTGCTGGGTGT  
 CTGCACTCAGGAAGGGCCCTGTATGTGATTGTGAATATGCGGCCAAGGGAAACCTTCGGGAATCCTC  
 CGTGCCCGCGCTCCCCAGGCCCTGATCTCAGCCCTGATGGCCCTCGGAGCAGCGAAGGACCGCTCTCCT  
 TCCCGGCCCTGGTCTCCTGTGCCTACCAGTGGCCCGAGGCATGCAGTATCTGGAGTCTCGGAAGTGCAT  
 CCACCGGGACCTGGCTGCCCGAAACGTGCTGGTGACCGAGGATGACGTGATGAAGATCGTGACTTTGGT  
 CTGGCCCGTGGTGTCCACCACATCGACTACTATAAGAAAACCAGCAATGGCCGCCTGCCAGTCAAGTGGG  
 TGGCTCCTGAGGCGTTGTTTGACCGTGTATACACACACCAGAGTGACGTGTGGTCTTCCGGATCCTGCT  
 GTGGGAAATCTTACCCTCGGGGGCTCCCATACCCCGGCATCCCAGTGGAGGAGCTGTTCTCACTGCTG  
 CGAGAGGGGCACAGGATGGAGCGGCCCAACTGCCCTCAGAGCTGTATGGGCTAATGAGGGAGTGT  
 GGCACGCAGCTCCTTCTCAGAGGCCGACTTTTAAGCAGCTGGTGAAGCTCTGGACAAGTCTCTGCTGCTG  
 TGCTCTGAAGAGTACCTTGACCTCCGCTGACCTTTGGACCCTATCCCCCAACAATGGGGATGCCAGC  
 AGCACGTGCTCCTCCAGCGACTCGGTTTTACGCCACGACCCTTTGCCCTCGAGCCAAGCCCTTCCCAT  
 TTCTGAGGCGCAGACCACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212875 representing NM\_001109904  
Red=Cloning site Green=Tags(s)

MWLLALLSIFQETPAFSLSEASEEMEQEPCPAPISEQQEQVLTVALGQPVRLCCGRTERGRHWYKEGSRL  
 ASAGRVRGWRGRLEIASFLPEDAGRYLCLARGSMTVVHNLTLIMDDSLPSINNEDPKTLSSSSSGHSYLQ  
 QAPYWTHPQRMEKKLHAVPAGNTVKFRCPAAGNPMPPTIHWLKNQAFHGENRIGGIRLRHQHWSLVMESV  
 VPSDRGTYTCLVENSLSIRYSYLLDVLERSPHRPILQAGLPANTTAVVGSNVELLCKVYSDAQPHIQWL  
 KHIVINGSFSGADGFYVQVQLKTTDINSSEVEVLYLRNVSAEDAGEYTCLAGNSIGLSYQSAWLTVLP  
 EEDLAWTTATSEARYTDIILYVSGSLALVLLLLLAGVYHRQAIHGHSRQPVTVQKLSRFPLARQFSLES  
 RSSGKSSLSLVRGVRLSSSGPPLLTGLVSLDLPLDPLWEFPRDRLVLGKPLGEGCFQVVRAEALGMDS  
 RPDQSTVAVKMLKDNASDKDLADLISEMEMMKLIGRHKNIINLLGVCTQEGPLYVIVEYAAKGNLREFL  
 RARRPPGPDLSPDGPRSEGPLSFPALVSCAYQVARGMQYLESRKCIHRDLAARNLVTEDDVMKIADFG  
 LARGVHHIDYYKTSNGRLPVKWMPEALFDRVYTHQSDVWSFGILLWEIFTLGGSPYPGIPVEELFSL  
 REGHRMERPPNCPSEL YGLMRECWAAPSQRPTFKQLVEALDKVLLAVSEEYLDLRLTFGPYSPNNGDAS  
 STCSSSDSVFSDHPLPLEPSPFFPEAQT

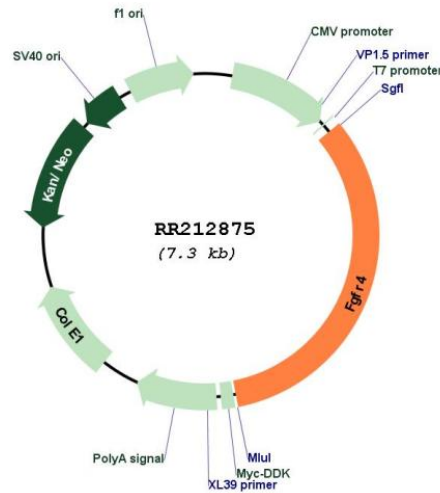
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfi-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001109904

**ORF Size:** 2400 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\\_001109904.1](#), [NP\\_001103374.1](#)

**RefSeq Size:** 3164 bp

**RefSeq ORF:** 2403 bp

**Locus ID:** 25114

**UniProt ID:** [Q498D6](#)

**Cytogenetics:** 17p14

**MW:** 88.7 kDa

**Gene Summary:** fibroblast growth factor receptor subtype expressed in lung and kidney [RGD, Feb 2006]