

## Product datasheet for **RR213884**

### **Ftcd (NM\_053567) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ftcd (NM_053567) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ftcd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR213884 representing NM\_053567  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCCAGTTGGTGAATGTGTCCCAACTTCTCAGAGGGGAACAACCAGGAGGTGATCGATGCCATTT  
 CTAAGCCATCTCCAGACCCCAGGTTGTGTGCTGTTGGACGTTGATGCTGGACCTCCACCAACCGCAC  
 TGCTACACTTTTGTGGGCGAGCCGAGTGTGTGGTCGAGGGAGCCCTCAGTGCTGCGCGAACAGCCTCA  
 CAGCTCATCGACATGAGGAAGCACAAGGGAGAGCACCTCGAATGGGTGCTCTGGATGTGTGTCCCTTCA  
 TCCCGGTGAGGGGCGTCAGCATGGACGAGTGTGTGCTCTGTGCCAAGGCATTTGGGCGAGCGCTGCCAGA  
 GGAAGTGAATGTACCAGTGTACCTCTATGGTGAAGGCGCTCAGATGCCAGTCTGTCAGACCTGCCAGCC  
 ATCCGGGTGGAGAGTATGAGGCCCTGCCTGAGAAGCTCAAACAGGCCGAGTGGGTGCCGACTTTGGCC  
 CTAGCTCCTTTGCCAGTTGGGTGCCACTGTCACGGGTGCACGAAATTCCTATTGCGTTCAATAT  
 CAATCTGTAAGCACCAAGGAACAGGCCACCGTATCGCTCTCAACCTGCGGGAGCAGGGCCGAGGGAAA  
 GACCAGCCGGGACGTCTGAAAAAGTTACGGGCATCGGCTGGTACCTAGAAGAGAAGAACCCTGGCTCAGG  
 TGTCACCAACCTCCTGGATTTTGGAGTACGGCTCTGCACACAGTGTACGAGGAGGCCCGGAGAGGC  
 TCAGGAGCTGAATCTCCAGTGGTGGGCTCACAGCTGGTGGGCTGGTGCCTCTGAAGGCCTTACTGGAT  
 GCCGACGCTTCTACTGTGACAAGGAGAAGCTGTTTGTCTGGAGGAGGACACCGGATTCGACTGGTGG  
 TGAACCGGCTGGGTCTGGATTCCTGGCGCCCTTCGACCCAAAGGAGCGGATCATCGAGTACCTGGTCCC  
 GGATAGTGGACCAAGACAGACCTGTGGACGCATCACTGCGTCTTTGTTGCGGAGGTGGGAGCCCGC  
 TCTGCTGCCAGGAGGCGTTCCGTAGCCGACGCTGTTGCAGCTCTGGGTGCAGCCCTGGCTTCTATGG  
 TGGCCAGATGACCTATGGCCGGCCAGTTTGATCACCTGGATTCCACAATGCGACGCTTGATCCCACC  
 CTTCCATGCAGCCTCCGCCAGCTGACTTCATTGGTGGACGCTGACGCGGGCTTTTGGCTGCTTTG  
 GGGCAATAAAGCTGCCAAGAATACGCTGAAGAGAGGACAGGCGCACATGTGCTCTGAAGAGGGGC  
 TGAGACAGGCGGTGCTGTGCCACTGAACTGGCTGAGACGGTGTCCCAGCTATGGCCGGCCTGCAGGA  
 GCTGGCCCAATGTGGCAACCTCTTGTCTGTGCTGACCTGCAGGTGGCAGCCAAAGCCTTGAGACAGGT  
 GTGTTTGGTGGTACTTCAATGTGCTCATCAACCTGAAGGACATGACGGATGATGATTTAAAGAGAAGA  
 CACGCCATCGAATCTCCAGCCTTCTGCAGGAAGCAAGACCCAGGCTGCGCTGGTGTGCTGGTAGCCTAGA  
 AGCTCGGAAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213884 representing NM\_053567  
 Red=Cloning site Green=Tags(s)

MSQLVECVPNFSEGNNQEVIDAISQAIISQTPGCVLLDVIDAGPSTNRTVYTFVGGQPECVVEGALSAARTAS  
 QLIDMRKHKGEHPRMGALDVCPIPVVRGVMDECVLCAKAFGQRLAEELNVPVYLYGEEAQMPSRQTLPA  
 IRAGEYEALPEKLKQAEWVPDFGPSSFVPSWGATVTGARKFLIAFNINLLSTKEQAHRIALNLREQGRGK  
 DQPGRLKKVQIGWYLEEKNLAQVSTNLLDFEVTALHTVYEEARREAQELNLPVVGSQLVGLVPLKALLD  
 AAIFYCDKEKLFVLEEEHRIRLVVRNLGLDSLAPFDPKERIIEYLVPDSGPEQSLLDASLRAFVREVGAR  
 SAAPGGGSVAAAVALGAALASVMGQMTYGRRFQDHLDDSTMRRLIPPFHAASAQLTSLVDADARAFACL  
 GAIKLPKNTPEERDRRTCALQEGLRQAVAVPLKLAETVSQWLPALQELAQCENLSCLSLQVAAKALETG  
 VFGAYFNVLINLKDMDDVFEKTRHRISLLQEAQTQAAALVLSLEARKE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

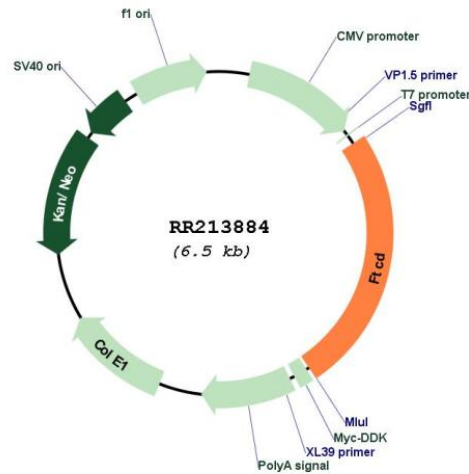
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_053567

ORF Size: 1623 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\\_053567.1](#), [NP\\_446019.1](#)

**RefSeq Size:** 1942 bp

**RefSeq ORF:** 1626 bp

**Locus ID:** 89833

**UniProt ID:** [O88618](#)

**Cytogenetics:** 20p12

**MW:** 58.9 kDa

**Gene Summary:** binds vimentin intermediate filaments; may regulate cytoskeletal rearrangement [RGD, Feb 2006]