

Product datasheet for **RR200877**

Cfi (NM_024157) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfi (NM_024157) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cfi
Synonyms:	FI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200877 representing NM_024157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCTCGCTCTGCTTATTCTGCTACTCTTGAATCCTCACTTGAGTTCTTCCAAGAACACACCAGCCT
 CAGGTCAGCCTCAGGAGGATCTGGTAGAGCAGAAATGCTTACTGAAAACTACACGCATCACTCCTGTGA
 CAAAGTCTTCTGCCAGCCATGGCAGAAATGTATCGAGGGAACCTGTGCCTGCAAACCTCCCTTACCAGTGC
 CCAAAGGCCGGGACCCCGGTGTGCGCCACTAATGGAAGAGGCTACCCGACATACTGTCACCTGAAGAGTT
 TCGAATGTCTTACCCGGAGATAAAGTTCTCGAATAATGGAACATGCACAGCTGAAGAAAAGTTTAAATGT
 TTCCTTAATTTATGGAAGCACAGATACAGAGGGAATTGTTCAAGTTAAACTCGTGGACCAAGATGAGAAA
 ATGTTTCATATGAAAAATAGCTGGAGCACCGTGAAGCCAACGTGGCCTGCTTCGACCTCGGATTTCCAC
 TGGGTGTTTCGTGACATAACAAGGAAGTTTAAATACCTGTAATCACAAAATAAACTCCACCGAATGCCT
 GCATGTGCGTTGCCAGGGAGTAGAGACCAGTTTGGCAGAGTGTACCTTTACCAAGAAGAGTTTCAAGGCT
 CCCCATGGCTTGGCAGGTGTAGTGTGTACACACAGGATGCAGATTTCCCAACAAGTCAGTCTTCCAGT
 GTGTGAATGGGAAGCGCATTCTCAGGAGAAAAGCCTGTGATGGTGTCAACGACTGTGGAGATCAAAGTGA
 TGAGCTGTGTTGCAAAGGTTGCCGAGGCCAAGCCTTCTTTGCAAGTCGGGAGTTTGCATCCCAAACCAA
 CGTAAGTGTAAACGGTGAGGTGGACTGCATCACCGCGAGGACGAGAGTGGCTGTGAAGAAGACAAAAAGA
 AAAAAATTCATAAAGGCCTTGCACGGTCAGACCAAGGAGGAGAAAAGTAAATGAGACTGAAGAAAACAGA
 AATGTTGACTCCTGATATGGACACAGAAAAGAAAACGGATAAAGTCCTTATTACCTAAACTATCCTGTGGA
 GTCAAAAGAAAATACTCACATTCGACGAAAAGAGTGGTCGGAGGGAAGCCAGCCGAGATGGGAGATTACC
 CATGGCAGGTGGCGATTAAGGATGGAGATAAAGTAACTGTGGGGCATTATATCGGTGGCTGTTGGAT
 TCTGACAGCTGCACACTGTGTACAGCCAGTAGATATCGCAACTACCAAGTATGGAGCTCTTTATTAGAC
 TGGCTAAAGCCTAACTCTCAGTTGGCAGTTCAGGAGTGAGCAGAGTTGTCGTTTCATGAAAAGTATAACG
 GAGCCACCTACCAGAATGACATAGCTTTGGTTGAAATGAAAAACACCCGGGCAAGAAAAGATGTGAGCT
 CATCAATTCTGTCCCTGCCTGTGTCCCATGGTCTCCATATCTATTCCAACCGAATGACAGATGCATCATT
 TCTGGATGGGGTCGAGAAAAGATAACCAAAAAGTCTACTCACTCAGGTGGGGCGAAGTCGACCTAATAG
 GCAACTGCTCGAGGTTTTACCCGGTCTGCTACTATGAAAAGAGATGCAGTGTGCGGGTACCAGTGTGG
 GTCCATTGATGCCTGCAAAGGAGACTCTGGAGGCCCTTGGTCTGCAAGGATGTCAACAATGCCTTAT
 GTTTGGGGCATTGTGAGCTGGGGAGAAAAGTGTGGGAAACCAGAGTTCACAGGTGTTACACCAGAGTGG
 CCAGCTATTTTGATTGGATTAGCTACTACGTGGGAAGACCCCTTGTCTCAATACAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200877 representing NM_024157
 Red=Cloning site Green=Tags(s)

MKLLALLILLNPHLSSSKNTPASGQPQEDLVEQKCLLKNYTHHSCDKVFCQPWQKCIEGTCAKLPYQC
 PKAGTPVCATNDRGYPTYCHLKSFECLHPEIKFSNNGTCTAEKFNVSLIYGSTDTEGIVQVKLVQDEK
 MFICKNSWSTVEANVACFDLGFPLGVRDIQGRFNIPVNHKINSTECLHVRQGVETSLAECTFTKSSKA
 PHGLAGVVCYTQDADFPTSQSFQCVNGKRIPQEKACDGVNDCGDQSDDELCKGCRGQAFLLCKSGVCIPNQ
 RKCNGEVDCTIGEDESCEEDKKNKIHKGLARSDQGGETEIEETEEMLTPDMDTERKRIKSLPLKSCG
 VKRNTHIRRKRVVGGKPAEMGDYPWQVAIKDGDRTICGGIYIGGCWILTAHCVRPSRYRNYQVWTSLLD
 WLKPNSQLAVQVSRVVVHEKYNGATYQNDIALVEMKKHPGKKECELINSPACVPWSPYLFQPNDRCLII
 SGWGREDNQKVYSLRWGEVDLIGNCSRFYPGRYYEKEMQCAGTSDGSIDACKGDSGGPLVCKDVNNVTV
 VWGIVSWGECGKPEFPVYTRVASYFDWISYYVGRPLVSQYNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_024157

ORF Size: 1812 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_024157.1](#), [NP_077071.1](#)
RefSeq Size: 2021 bp

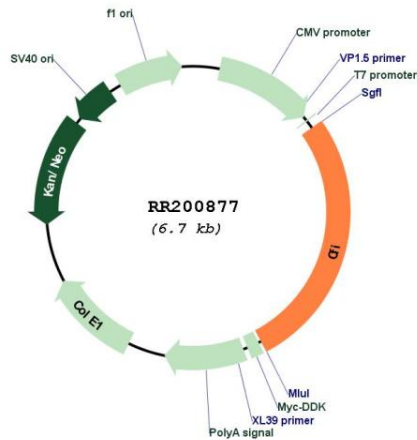
RefSeq ORF: 1815 bp

Locus ID: 79126

UniProt ID: [Q9WUW3](#)

Cytogenetics: 2q43
MW: 67.3 kDa
Gene Summary: mouse homolog is a regulatory serine proteinase of the complement cascade that cleaves C3b and C4b and inactivates them [RGD, Feb 2006]

Product images:



Circular map for RR200877