

Product datasheet for **MC219492**

Cfi (NM_007686) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cfi (NM_007686) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cfi
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219492 representing NM_007686
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTCGCTCATCTCAGTCTCTTTCTCTGGCTCTCCACTTGAGTCTTCCAGTCCCGTCAGCAT
 CAGATCTGCCTCAGGAGGAGCTGGTCGATCAGAAATGCTTACTGCAGAAATACACGCATCGCTCCTGTAA
 CAAGGTCTTCTGCCAGCCGTGGCAGAGATGTATCGAAGGCACCTGTATCTGCAAACCTCCCTACCAGTGC
 CCAAGGGCTGGCACCCAGTGTGTGCCATGAATGGAAGGAGCTACCCGACATACTGTACCAGAAGAGTT
 TCGAATGTCTTACCCAGAGATCAAGTTTTACATAATGGAACGTGCGCAGCTGAAGGAAAGTTAATGT
 TTCCTTAATTTATGGGAGAACAAAAACAGAGGGACTTGTCAAGTCAAACCTGTGGACCAAGATGAGAGA
 ATGTTTCATATGAAAAACAGCTGGAGCATGGCGGAGGCCAACGTGGCTGCGTCGACCTTGGATTCCAC
 TGGGTGTTTCGTGACATAACAAGGAAGTTTAATATATCTGGAAATCTCCATATAAACGACACTGAATGCCT
 GCATGTACATTGCCGGGAGTAGAGACCAGTTTGGCGGAGTGTGCCTTTACGAAGAGGAGAACTGAGTTG
 TCCAATGGCTTGGCGGGGTAGTGTGTTACAAGCAGGATGCAGATTTCCAACGAGTCTGTCTTCCAGT
 GTGTGAATGGGAAGCACATTCTCAGGAGAAAGCCTGCAACGGTGTCAATGACTGTGGAGACCAAGCGA
 TGAGCTGTGTTGCAAAGGTTGCCGAGGTAACGCTTCCCTTTGTAAGTCGGGAGTTTGATTCCAGACCAA
 TACAAGTGAATGGTGAGGTGGACTGCATCACTGGTGAAGATGAGAGCCGTTGTGAAGAAGACCGACAGC
 AGAACATTCCAAAAGGCCTTGCACGGTCAGCTCAAGGAGAAGCTGAAATTGAAACTGAAGAAACAGAAAT
 GTTGACTCCTGGTATGGACAATGAAAGAAAACGGATAAAGTCTTATTACCTAACTCTCCTGTGGAGTC
 AAAAGAAACACTCACACTCGCAGGAAACGAGTGATCGGAGGGAAGCCAGCGAATGTGGGAGACTACCCAT
 GGCAGGTGGCAATTAAGGATGGCCAAAGAATCACCTGTGGTGGCATTATATCGGTGGCTGTTGGATTCT
 GACTGCTGCGCACTGTGTCAGACCCAGTAGAGCTCACAGTTACCAAGTCTGGACGGCTTTATTAGACTGG
 CTA AAAACCTAACTCTCAGTTGGGAATCAAACGGTGAAGAGAGTTATTGTTACAGAGAAATATAATGGAG
 CCACCTTCCAAAATGACATAGCTTTGATTGAAATGAAAATGCACACGGGCAAGAAAGAATGTGAACTCCC
 CAATTCCTGCCCTGCCTGCGTCCCGTGGTCTCCATATCTGTTCCAACCGAATGACAGATGTATCATCTCT
 GGATGGGGTTCGAGGGAAGATAACCAAAAAGTCTACTCACTCAGGTGGGGCGAAGTTGATCTAATAGGCA
 ACTGCTCTCAGTTTTACCCAGATCGCTACTATGAGAAAGAGATGCAGTGCAGGACCGTGTATGGGTC
 CATTGATGCCTGCAAAGGAGACTCCGGAGGCCCTTGGTCTGTGAGGATATCAACAATGCACCTACGTT
 TGGGGCATTGTGAGCTGGGAGAAAATGTGGGAAGCCGAGTCCCAGGTGTTACACCAGAGTGGCCA
 ATTATTTTATTGATTGAGTATCACGTAGGAAGTCTCTTGTCTCAACACAATGTC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII

ACCN: NM_007686

Insert Size: 1812 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_007686.3](#), [NP_031712.2](#)

RefSeq Size: 2077 bp

RefSeq ORF: 1812 bp

Locus ID: 12630

UniProt ID: [Q61129](#)

Cytogenetics: 3 59.21 cM

Gene Summary: This gene encodes a serine protease that plays an important role in the classical and alternative complement pathways where it cleaves C4b and C3b components of C3 and C5 convertases. The encoded preproprotein undergoes proteolytic processing to generate an active, disulfide-linked heterodimeric enzyme comprised of heavy and light chains. [provided by RefSeq, Jul 2016]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).