

Product datasheet for **MC200642**

F3 (NM_010171) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F3 (NM_010171) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	F3
Synonyms:	AA409063; CD142; Cf-3; Cf3; TF
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016397 sequence for NM_010171
 GCGGGGTGGAGAGGAGCCGGTGTCCGCGCGGCCCTTTATAACGCACCCCGCGCCGACCCCGGCAGCCTGG
 GTACAGCCGGTACCCATCACTCGCTCCCTCCGATCGCTCCTGTAGCGTAGCCAACGCGCCGCGCTGAAG
 CCCCAGACCTCGCCTCCAGCCCTTGGACATGGCGATCCTCGTGCGCCCGCGCCTCTAGCGGCTCTCGC
 GCCACGTTTCTCGGCTGCCTCCTCCAGGTGATCGCGGGTGCAGGCATTCCAGAGAAAGCGTTAAT
 TTAAGTTGGATATCAACTGATTTCAAGACAATTTGGAGTGGCAACCCAAACCCACCACTATACCTACA
 CTGTACAGATAAGTGATCGATCTAGAACTGGAAAAACAAGTGCTTCTCGACCACAGACACCCGAGTGCGA
 CCTCACAGACGAGATCGTGAAGGATGTGACCTGGGCCTATGAAGCAAAGTCCCTCTGTGCCACGGAGG
 AACTCAGTTCATGGAGACGGAGACCAACTGTGATTTCATGGGGAGGAGCCGCCATTTACAAACGCCCCAA
 AGTTTTTACCTTACCAGACACAAACCTCGACAGCCAGTAATTCAGCAGTTTGAACAAGATGGTAGAAA
 ACTGAACGTGGTTGTAAGACTCACTTACATTAGTCAGAAAGAATGGTACATTCCTCACCTGCGGCAA
 GTCTTTGGCAAGGACTTGGGTTATATAATTACTTATCGGAAAGGCTCAAGCACGGGAAAGAAAAACAACA
 TTACAAACACCAATGAATTCTCGATTGATGTGGAAGAAGGAGTAAGCTACTGCTTTTTTGTACAAGCTAT
 GATTTTCTCCAGGAAAATAACCAAAATAGCCCAGGAAGCAGTACAGTGTGCACCGAGCAATGGAAGAGT
 TTCTGGGAGAAACACTCATATTGTGGGAGCAGTGGTGTCTCTGGCCACCATCTTATCATCCTCCTGT
 CCATATCTGTGCAAGCGCAGAAAGAACCAGCGGGACAGAAAGGGAAGAACACCCCGTCCGCGCTTGGC
 ATAGAGGAAAGGCTGAAGCCGCTAACGCTCACACTGCCTGCACGGCACTGTTGCGGAGAGCTCTGATGGG
 AACTGTGCAACATGGAGCGTGGAGCCTGCCAATCCTAGCTCAGAGAGGCTGCCTTCATGGCCTGTTACTC
 CAGCTAACGCTTTGATTCACACTAGCATTGTGACGTTAGGACGAACTGAAACGGTACAACTGGTTA
 AACTACAGCGCCTTTTGCACAAATGCTTTAGATTGTATGGTCTACACTCAGGAAGACACTAGGTACCC
 AGGCAAAGCCAGTGGACAGATGCCTTTCATATAACCTGGTGGGCTTTTGGAAAACTTTGAGAAGTTGA
 TTTATAGGCTGTAGAACAGTAAAGTGGAACTGGGCGGACTTTTCTAACAGTCTACTTTTATAAAGCG
 GTATTTGGGTGTTTTTCCCTCGAATAGTACTTTTGGAAAGTCAAAGCAAGTGGCAAATTTTATATAA
 ACATGTTAAATGCAGGATATTTCTGCTTGGGCATCTTTGTGATTTGACTTTTCTACAATTTAGCACTT
 TAACTGACAATGATGGGTTTAAACATTTGACAGCCAACCTCTATTTTTATACGACTACTATACAAAGAAA
 CTACATATAGTTTTATGATTTAAGGTAAGTAAATGTTTATGGTTAACATTGTATATATTTACATAAAA
 TTTAAAGTTTTGTATATGGGATTTTCTATTTATATAGCTTCTATTTGTATATTTTGTAGATAATTTATTT
 AATATACTTTTATATAAATAAAGGTGATTGGGAATTGAGACAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010171

Insert Size: 885 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: [BC016397](#), [AAH16397](#)

RefSeq Size: 1880 bp

RefSeq ORF: 885 bp

Locus ID: 14066

UniProt ID: [P20352](#)

Cytogenetics: 3 52.94 cM

Gene Summary: This gene encodes a membrane-bound glycoprotein that forms the primary physiological initiator of the blood coagulation process following vascular damage. The encoded protein binds to coagulation factor VIIa and the ensuing complex catalyzes the proteolytic activation of coagulation factors IX and X. Mice lacking encoded protein die in utero resulting from massive hemorrhaging in both extraembryonic and embryonic vessels. A severe deficiency of the encoded protein in mice results in impaired uterine homeostasis, shorter life spans due to spontaneous fatal hemorrhages and cardiac fibrosis. [provided by RefSeq, Aug 2015]