

Product datasheet for **MC202987**

F13b (NM_031164) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F13b (NM_031164) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	F13b
Synonyms:	Cf-13b; Cf13b
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC030166
 CCACGCGTCCGATGAGACACACTGATGATGACGCTGAGACACTTGCCATTTATTCTTTTATTAATCCTCT
 CAGGAGAACTCTATGCAGAAGAGAAACAGTGTGATTTTCTACCGTGGAAAATGGAAGGATTGCCAATA
 TTATTATACGTTTAAAAGCTTTTACTTCCCATGAGCGTAGACAAAAACTATCATTCTTCTGTTGGCT
 GGCTATGCAACCGAAAAGTGGGAAGCAAGAAGAGCAAATCAGGTGCACAGCAGAAGGCTGGTCTCAAACC
 CAAGGTGCTACAAGAAATGTCTGAAGCCTGACCTAAGGAATGGCTACGTCTCCAATGACAAAGTACTGTA
 CAAACTCAAGAGAGGATGAGCTACGGTTGCTTTCAGGATACAAAACCACTGGGGAAAGGACGAGGAG
 GTGGTCCACTGTCTTCTGCAGGGTGGTCTTCAACCGTCTGCAGGAAAGAACAAGAGACATGTTTGG
 CCCCTGAGTTGGAACATGAAAATTACTCCACGACGAGAGAACATTCAAAGTGAAGGACATAGTGGGTTA
 CACATGCACTGCAGGCTACTACACCACTACAGGGAAGCAGACTGGGGAAGCAGAGTGCCAGGCTAATGGC
 TGGTCCCTCACACCACAGTGCAACAAATTAATGTGCTCTTCTTTGAGATTAATAGAAAATGGCTATTTTC
 ATCCTGTAAGCAACATATGAAGAAGGAGATGTAGTTCAATTTTTCTGTCATGAAAATTATTATCTAAG
 TGGATCTGATTTAATTCAGTGTATAAATTTGGCTGGTATCCAGAATCTCCCATATGTGAAGGAAGAAGA
 AATCGATGCTCCTCCACCTGTGCCTCTAAATTTCTAAAATTCACCACATTCACAACCTACCCTCAGC
 GAGAAAGAGTGCCATATAGATGTGAACCTAATTTTGTGATTCAGGGTTCAGAAGAACTGCTGTGAAAA
 TGGGAAGTGGACAGAACCTCAAATATGATTGAGGAAAAGGAGAAGGTAGCCTGCCAGCAACCACCTCC
 GTTGAGAATGGTGTGACACCCCACTCTGAGATTTACTACAGTGGGGATAAAGTGACATACAGGTGTG
 GAGGGGGCTACAGTCTCAGAGGATCAAGTACGATAAATTGCAATCGTGGCCGATGGACACTGCCCCCTGA
 GTGTGTTGAAAATATTGAGAATTGTAAGCCTCCTCCTGCATAGCAACCGGTGTGGTTGTTGATGGGTTA
 CTGGCAAGTTACACAACAGGATCTTCTGTGGAGTACCGATGCAATGAGTATTACTATTGAAGGGGTCCG
 AAACATCTCGTGTGAACAAGGAGCGTGGTCACTCCACCTGTCTGCTTGGAGCCCTGCACTATTGATGT
 GGATCACATGAACAGGAATAACATACAGTTGAAGTGGAAATATGAGGGCAAGATTTTACATGGAGACCTA
 ATAGATTTTGTGTGAAGCAGGGATATAACTTGTCAACATCAATCCCACTGTCGGAGATATCTGCCAGT
 GCAATAGAGGCGATGTGAGGTACCCCATGTGCATTAGAAAAGAATCTAAAGGGATGTGTGCATCTCCTCC
 AGTGATAAGAAAATGGAGATATTGTTAGTTCAGCAGCCCGACCTATGAAAACGGCTCCTCAGTAGAATAC
 CGGTGTTTTGATAATCATTCTACAAGGGTCCCAGAATGCCTATTGTGTAGATGGAGTGTGGACTACAC
 CACCATCGTGTCTAGAGCCTTGACATTATCATTGTTGAAATGGATAAGAATTATTTACAGCTGAAATG
 GAATTTTGACAACAGACCACTCATTACATGGAGAGTATATTGAGTTTATGTGTAAGAGAGATGCATAT
 ATAAGTGAGACATCTATTGCTGGTCTGTACTTCGGGTGCAGTGTGACAGGGGAAGGCTGAAATACCCTA
 AGTGTACTCCAAGAGACAGGAGGCTGTCCTTTCAGGAAGCATTACGGACCCGAAGACAAAATGAAAAAAG
 ATAAAGAATATTCTAACATATGAATCTCGCATAAAACAATTTTAGGAAGACTCCACTAAGTTCAGTGTTC
 TGAGCCTTTACTTTTGCATAAAAATGTAATCAATCTTTCTTATTTATCAATCAAGCACAAATGTATC
 TTATTTTGTGTTGCTTAATTTTACATTTAATCTAATCTTTATTGTTGCTTTTACCTGTTTAATTTGATT
 TATTTCATAAATCACCCCTGTTTCAATCGATCGCTGTCAGACTATATTGTTTCTTGTAGATGTATGGA
 AAACACATTTGTGTTTATTATATTCATTAATAAATTAAGATTTTCTGTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_031164

Insert Size: 2007 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: [BC030166](#), [AAH30166](#)

RefSeq Size: 2377 bp

RefSeq ORF: 2007 bp

Locus ID: 14060

UniProt ID: [Q07968](#)

Cytogenetics: 1 F

Gene Summary: This gene encodes subunit B of the coagulation factor XIII that catalyzes the final step of the blood coagulation pathway. The encoded protein associates with subunit A to form a heterotetrameric protein that circulates in the plasma. During the blood coagulation process, thrombin-mediated proteolytic cleavage of the subunit A results in the dissociation of the encoded protein from the heterotetramer. Male mice lacking the encoded protein exhibit mild fibrosis together with hemosiderin deposits in the heart. [provided by RefSeq, Sep 2015]