

## Product datasheet for **MC203280**

### F12 (NM\_021489) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	F12 (NM_021489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	F12
Synonyms:	FX; FXII; HAF
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057921  
 GGCAGCGGGGCCATCGGCAGACGCCATGACGGCTCTGTTGTTCTCTGGGGTCTCTGCTGATGAGTCTGGAT  
 CTGACACTTTTCGGCTCCACCATGGAAAGACTCCAAGAAATTTAAGGACGCACCTGATGGGCCACAGTGG  
 TTCTCACTGTGGATGGGAGGCTCTGCCATTTTCCCTTTTCCAGTACCACCGTCAGCTACACCACAAATGCAT  
 CCACAAAAGGCGGCCAGGCTCCCGCCCCGGTGTGCTACCACCCCAACTTTGATGAAGATCAGCAATGG  
 GGATACTGCTTGGAGCCCAAGAAAGTAAAGACCATTGCAGCAAAACACAACCCGTGCCACAAAGGAGGGA  
 CATGTATCAACACCCCAATGGGCCACACTGTCTGCCCCTGAACACCTCACTGGGAAACATTGCCAGAA  
 AGAGAAATGCTTTGAGCCTCAGCTTCTCAAGTTCTTCCACGAGAATGAGCTATGGTTTAGAACGGGGCCA  
 GGAGGTGTGGCCAGGTGCGAGTGCAAAGTTCTGAGGCTCACTGCAAGCCGGTGGCCAGCCAGGCTGCA  
 GCATCAATCCGTGCCTAATGGGGCAGCTGCCTCCTCGTGGAGGACCACCCACTGTGCCGTTGCCCTAC  
 AGGCTACACTGGATATTTTTGCGACTTGGACCTTTGGGCGACCTGCTATGAAGGCAGGGGGCTCAGCTAC  
 CGGGGCCAGGCTGGAACACGCAATCGGGTGGCCATGTCAGCGGTGGACCGTGGAGGCCACCTACCGGA  
 ACATGACTGAGAAGCAAGCGCTAAGCTGGGGCCTGGGCCACCACGATTTTGC CGGAACCCAGATAATGA  
 CACACGTCCATGGTGCTTCGTCTGGAGTGGCGACAGGCTGAGCTGGGACTATTGCCGCTGGAGCAGTGC  
 CAGACGCCAACGTTTGCACCTCTAGTTGTCCCTGAGAGTCAGGAGGAGTCCCGTCCCAGGCACCATCTC  
 TGTCATGCACCAATGACTCGACCGATCATCAGACTTCTCTGTCCAAGACCAACAGATGGGGTGGCGG  
 ACAGAGGTTCCGCAAGGGACTGTCTCGTTCATGCGCGTGGTGGGCGGACTAGTGCTCTGCCTGGGTGC  
 CACCCCTACATCGCTGCACTGTACTGGGTAACAATTCTGCGCGGGCAGTCTCATCGCCCCCTGTTGGG  
 TGCTGACCGCGGCTCACTGCCTGCAAGATCGGCCAGCGCCGAGGAACTGACAGTGGTACTTGGTCAAGA  
 TCGCCACAACCAGAGCTGCGAGTGGTGGCAGACTCTGGCTGTGCGCTCCTACCGCCTTACAGAGGGCTTC  
 TCCTCCATCACCTACCAGCAGACTTGGCTCTGCTGCGCTGCAGGAAAGCAAAACCAACAGTTGCGCGA  
 TCCTGTACCTCACGTTTACGCTGTGTCTACCAGCGGCGCGGCCCCACCCTTGAGACAGTGTCTG  
 CGAGGTGGCCGGCTGGGGTCAACGTTTCAAGGGGCTGAAGAATACTCCACCTTCTGAGGAGGCACAG  
 GTTCCCTTTATCGCCCTGGATCGCTGCTCAACTTAACGTGCACGGAGACGCCATTCTCCCTGGGATGC  
 TTTGCGCTGGCTTCTGGAGGGAGGCACCGATGCCTGCCAGGGTACTCCGGGGCCCTCTGGTGTGTGA  
 GGAAGGAACTGCAGAACATCAGCTCACCTGCGCGGAGTCATCAGCTGGGGCTCCGGCTGTGGTACCCG  
 AACAGCCCGGAGTCTACACAGACGTGGCCAACTACCTGGCTTGGATCCAGAAGCATATTGCTTCATAAC  
 TAACCAGGCTTTATCCTTCCCTCCTTGTGTCTCTTGGGATGGGACGATGAATGTGGCATGCTGGGTCA  
 CAGTGAAGCTAGTGCCCCGACACTGGGGGCACAGAACTCAATAAAGTGCTTTGAAAACGTTAAAAAAA AAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_021489

**Insert Size:** 1794 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: [BC057921](#), [AAH57921](#)

RefSeq Size: 1968 bp

RefSeq ORF: 1794 bp

Locus ID: 58992

UniProt ID: [Q80YC5](#)

Cytogenetics: 13 B1

**Gene Summary:** This gene encodes a glycoprotein coagulation factor that plays an important role in the intrinsic pathway of blood coagulation and hemostasis. The encoded protein is an inactive zymogen that is autoactivated upon contact with negatively charged surfaces or misfolded protein aggregates. Mice lacking the encoded protein have a severe defect in forming stable fibrin clots. [provided by RefSeq, Apr 2015]