

## Product datasheet for **SC214304**

### Factor IX (F9) (NM\_000133) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Factor IX (F9) (NM_000133) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	F9
Synonyms:	F9 p22; FIX; HEMB; P19; PTC; THPH8
ACCN:	NM_000133
Insert Size:	1418 bp



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**Insert Sequence:** >SC214304 3'UTR clone of NM\_000133  
The sequence shown below is from the reference sequence of NM\_000133. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGATTAAGGAAAAACAAGCTCACTAATGAAAGATGGATTTCCAAGTTAATTCATTGGAATTGAA
AATTAACAGGGCCTCTCACTAATACTACTTTCCCATCTTTTGTAGATTTGAATATATACATTCTAT
GATCATTGCTTTTTCTCTTTACAGGGGAGAATTCATATTTTACCTGAGCAAATTGATTAGAAAATGGA
ACCACTAGAGGAATATAATGTGTAGGAAATTACAGTCATTTCTAAGGGCCAGCCCTTGACAAAATTG
TGAAGTTAAATTCCTACTCTGTCCATCAGATACTATGGTTCTCCACTATGGCAACTAACTACTCAAT
TTTCCCTCCTTAGCAGCATTCCATCTTCCCGATCTTCTTGCTTCTCAACCAAAAACATCAATGTTTAT
TAGTTCTGTATACAGTACAGGATCTTTGGTCTACTCTATCACAAGCCAGTACCACACTCATGAAGAAA
GAACACAGGAGTAGCTGAGAGGCTAAAACCTCATCAAAAACACTACTCCTTTTCTCTACCCTATTCCTC
AATCTTTTACCTTTTCCAATCCCAATCCCAAAATCAGTTTTTCTTTTCTACTCCCTCTCCTCCTTT
TACCCTCCATGGTCGTTAAAGGAGAGATGGGGAGCATCATTCTGTTATACTTCTGTACACAGTTATACA
TGTCTATCAAACCCAGACTTGCTTCCGTAGTGGAGACTTGCTTTTTCAGAACATAGGGATGAAGTAAGGT
GCCTGAAAAGTTTGGGGGAAAAGTTTCTTTTCAGAGAGTTAAGTTATTTTATATATATAATATATATA
AAATATATAATATAACAATATAAATATATAGTGTGTGTGTATGCGTGTGTGTAGACACACACGCATACAC
ACATATAATGGAAGCAATAAGCCATTCTAAGAGCTTGTATGGTTATGGAGGCTGACTAGGCATGATTT
CACGAAGGCAAGATTGGCATATCATTGTAATAAAAAAGCTGACATTGACCCAGACATATTGTACTCTT
TCTAAAAATAATAATAAATGCTAACAGAAAGAAGAGAACCCTCGTTTGCAATCTACAGCTAGTAGA
GACTTTGAGGAAGAATCAACAGTGTGCTTTCAGCAGTGTTCAGAGCCAAGCAAGAAGTTGAAGTTGCC
TAGACCAGAGGACATAAGTATCATGTCTCTTTAACTAGCATACCCGAAGTGGAGAAGGTTGCAGCAG
GCTCAAAGGCATAAGTCATTCCAATCAGCCAATAAGTTGTCCTTTTCTGGTTTCTGTTTACCATGGA
ACATTTTGATTATAGTTAATCCTTCTATCTTGAATCTTCTAGAGAGTTGCTGACCAACTGACGTATGTT
TCCCTTTGTGAATTAATAAACTGGTGTCTGGTTCATA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000133.4](#)

**Summary:**

This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca<sup>2+</sup> ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Sep 2015]

**Locus ID:**

2158

**MW:**

55.3