

## Product datasheet for **SC216012**

### Factor VII (F7) (NM\_019616) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Factor VII (F7) (NM_019616) Human 3' UTR Clone
Symbol:	Factor VII
Synonyms:	SPCA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_019616
Insert Size:	1707 bp



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**Insert Sequence:** >SC216012 3'UTR clone of NM\_019616  
 The sequence shown below is from the reference sequence of NM\_019616. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGAGTCCTCCTGCGAGCCCCATTTCCCTAGCCCAGCAGCCCTGGCCTGTGGAGAGAAAGCCAAGGCTGC
GTCGAACTGTCCTGGCACCAAATCCCATATATTCTTCTGCAGTTAATGGGGTAGAGGAGGGCATGGGAG
GGAGGGAGAGGTGGGAGGGAGACAGAGACAGAAAACAGAGAGAGACAGAGACAGAGAGAGACTGAGGGA
GAGACTCTGAGGACATGGAGAGAGACTCAAAGAGACTCCAAGATTCAAAGAGACTAATAGAGACACAGA
GATGGAATAGAAAAGATGAGAGGCGAGGACAGAGCCGCTGGACAGAGGGGCAGGGGAGTGCCAAGGT
TGTCTGGAGGCAGACAGCCAGCTGAGCCTCCTTACCTCCCTTACGCCAAGCCACCTGCACGTGATC
TGCTGGCCTCAGGCTGCTGCTCTGCCTTATTGCTGGAGACAGTAGAGGCATGAACACACATGGATGCA
CACACACACACGCCAATGCACACACACAGAGATATGCACACACACGGATGCACACACAGATGGTCACAC
AGAGATACGCAAACACACCGATGCACACGCACATAGAGATATGCACACACAGATGCACACACAGATATA
CACATGGATGCACGCACATGCCAATGCACGCACACATCAGTGCACACGGATGCACAGAGATATGCACAC
ACCGATGTGCGCACACACAGATATGCACACACATGGATGAGCACACACACCAATGCGCACACACACC
GATGTACACACACAGATGCACACACAGATGCACACACACCGATGCTGACTCCATGTGTGCTGCTCCTG
AAGCGGTTGTTAGCTCTCACTTTTCTGGTCTTATCCATTATCATCTTCACTTCAGACAATTCAGAA
GCATCACCATGCATGGTGGCGAATGCCCCAACTCTCCCCAAATGATTTCTCCCTTCGCTGGGTGC
CGGGTGCACAGACTATCCCCACCTGCTTCCCAGCTTACAATAAACGGCTGCGTCTCCTCCGCACAC
CTGTGGTGCCTGCCACCCTGGGTTGCCATGATTCATTTTTGGAGCCCCGGTCTCATCTCTGAG
ATGCTCTTTTCTTTCACAATTTTCAACATCACTGAAATGAACCCTCACATGGAAGCTATTTTTTAAAAA
CAAAGCTGTTTGATAGATGTTTGAGGCTGTAGCTCCCAGGATCCTGTGGAATTGGATGTTCTCTCCCT
GCCACAGCCCTTGTAATGATATTTACAGAGACCCTGGGAGCACCTGCTCAAGAGTCAGGGACACACG
CATCACTAAATGCAAGTCCCAGGCCCTGGCTGCAGTGGGAGGACCTGGCAAGCTGCACTCTTGCTGAG
TCCCCAGGTTGGTGAAGAAGAATGAGAAACACATGAACAGAGAAATGGGAGGTGACAAACAGTGCCC
CCACTCAGACTCCGGCAAGCACGGCTCAGAGAGTGGACTCGATGCCATCCCTGCAGGGCCGTCCTGGGC
ACCACTGGCACTCACAGCAGCAAGGTGGGCACCATTGGCACTCACAGCAGCAAGGCAGGCACCAGCAAC
CCACTCGGGGGCACTCAGGCATCATCTACTTCAGAGCAGACAGGCTCTATGAACTACAGCCGTGGGCT
GCTTCCAAGGCACCCTGCTCTTGTAAATAAAGTTTTATGGGAACACACCA
ACGGCTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**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\\_019616.4](#)

**Summary:**

This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for hemostasis. This factor circulates in the blood in a zymogen form, and is converted to an active form by either factor IXa, factor Xa, factor XIIa, or thrombin by minor proteolysis. Upon activation of the factor VII, a heavy chain containing a catalytic domain and a light chain containing 2 EGF-like domains are generated, and two chains are held together by a disulfide bond. In the presence of factor III and calcium ions, the activated factor then further activates the coagulation cascade by converting factor IX to factor IXa and/or factor X to factor Xa. Defects in this gene can cause coagulopathy. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing to generate mature polypeptides. [provided by RefSeq, Aug 2015]

**Locus ID:**

2155

**MW:**

64.8