

Product datasheet for **SC216011**

Factor VII (F7) (NM_000131) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Factor VII (F7) (NM_000131) Human 3' UTR Clone
Symbol:	Factor VII
Synonyms:	SPCA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000131
Insert Size:	1719 bp



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Insert Sequence: >SC216011 3'UTR clone of NM_000131
 The sequence shown below is from the reference sequence of NM_000131. 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
GTCGAACTGTCCTGGCACCAAATCCCATATATTCTTCTGCAATTAATGGGGTAGAGGAGGGCATGGGAG
GGAGGGAGAGGTGGGAGGGAGACAGAGACAGAAAACAGAGAGAGACAGAGACAGAGAGAGACTGAGGGA
GAGACTCTGAGGACATGGAGAGAGACTCAAAGAGACTCCAAGATTCAAAGAGACTAATAGAGACACAGA
GATGGAATAGAAAAGATGAGAGGGCAGAGGCAGACAGGCGCTGGACAGAGGGGCAGGGGAGTGCCAAGGT
TGTCTGGAGGCAGACAGCCAGCTGAGCCTCCTTACCTCCCTTACGCCAAGCCACCTGCACGTGATC
TGCTGGCCTCAGGCTGCTGCTCTGCCTTATTGCTGGAGACAGTAGAGGCATGAACACACATGGATGCA
CACACACACACGCCAATGCACACACACAGAGATATGCACACACACGGATGCACACACAGATGGTCACAC
AGAGATACGCAAACACACCGATGCACACGCACATAGAGATATGCACACACAGATGCACACACAGATATA
CACATGGATGCACGCACATGCCAATGCACGCACACATCAGTGCACACGGATGCACAGAGATATGCACAC
ACCGATGTGCGCACACACAGATATGCACACACATGGATGAGCACACACACCAATGCGCACACACACC
GATGTACACACACAGATGCACACACAGATGCACACACACCGATGCTGACTCCATGTGTGCTGCTCCTG
AAGGCGGTTGTTAGCTCTCACTTTTCTGGTCTTATCCATTATCATCTTCACTTCAGACAATTCAGAA
GCATCACCATGCATGGTGGCGAATGCCCCAACTCTCCCCAAATGATTTCTCCCTTCGCTGGGTGC
CGGGTGCACAGACTATCCCCACCTGCTTCCCAGCTTACAATAAACGGCTGCGTCTCCTCCGCACAC
CTGTGGTGCCTGCCACCCACTGGGTTGCCATGATTCATTTTTGGAGCCCCGGTCTCATCTCTGAG
ATGCTCTTTTCTTTCACAATTTTCAACATCACTGAAATGAACCCTCACATGGAAGCTATTTTTTAAAAA
CAAAAGCTGTTTGATAGATGTTTGAGGCTGTAGCTCCCAGGATCCTGTGGAATTGGATGTTCTCCTCCT
GCCACAGCCCTTGTAATGATATTTACAGAGACCCTGGGAGCACCTGCTCAAGAGTCAGGGACACACG
CATCACTAAATGCAAGTCCCAGGCCCTGGCTGCAGTGGGAGGACCTGGCAAGCTGCACTCTTGCTGAG
TCCCCAGGTTGGTGAAGAAGAATGAGAAACACATGAACAGAGAAATGGGAGGTGACAAACAGTGCCC
CCACTCAGACTCCGGCAAGCACGGCTCAGAGAGTGGACTCGATGCCATCCCTGCAGGGCCGTCCTGGGC
ACCACTGGCACTCACAGCAGCAAGGTGGGCACCATTGGCACTCACAGCAGCAAGGCAGGCACCAGCAAC
CCACTCGGGGGCACTCAGGCATCATCTACTTCAGAGCAGACAGGCTCTATGAACTACAGCCGTGGGCT
GCTTCCAAGGCACCTGCTCTTGTAAATAAAGTTTTATGGGAACACAAAAAAAAAAAAAAAAAAAAA
ACGGCTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCCGCGCCTTCTATGAAAGG
  
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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_000131.4](#)

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:

65.3