

## Product datasheet for **SC216618**

### Factor VIII (F8) (NM\_000132) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Factor VIII (F8) (NM_000132) Human 3' UTR Clone
Symbol:	Factor VIII
Synonyms:	AHF; DXS1253E; F8B; F8C; FVIII; HEMA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000132
Insert Size:	1835 bp



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**Insert Sequence:** >SC216618 3'UTR clone of NM\_000132  
 The sequence shown below is from the reference sequence of NM\_000132. 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
CTGGGCTGCGAGGCACAGGACCTCTACAGGGTGGCCACTGCAGCACCTGCCACTGCCGTACCTCTC
CCTCCTCAGCTCCAGGGCAGTGTCCCTCCCTGGCTTGCCTTCTACCTTTGTGCTAAATCCTAGCAGACA
CTGCCTTGAAGCCTCCTGAATTAACATCATCAGTCTGCATTTCTTTGGTGGGGGCCAGGAGGTGC
ATCCAATTTAACTTAACTCTTACCTATTTTCTGCAGCTGCTCCAGATTACTCCTTCCTTCCAATATAA
CTAGGCAAAAGAAGTGAGGAGAAAACCTGCATGAAAGCATTCTCCCTGAAAAGTTAGGCCTCTCAGAG
TCACCCTTCTCTGTTGTAGAAAAACTATGTGATGAACTTTGAAAAGATATTTATGATGTTAACAT
TTCAGGTTAAGCCTCATACGTTTAAAAATAAACTCTCAGTTGTTTATTATCCTGATCAAGCATGGAACA
AAGCATGTTTCAGGATCAGATCAATACAATCTTGGAGTCAAAGGCAAATCATTTGGACAATCTGCAAA
ATGGAGAGAATAACAATACTACTACAGTAAAGTCTGTTTCTGCTTCCCTACACATAGATATAAATTATGT
TATTTAGTCATTATGAGGGGCACATTCTTATCTCCAAAAC TAGCATTCTTAAACTGAGAATTATAGATG
GGGTTCAAGAATCCCTAAGTCCCCTGAAATTATATAAGGCATTCTGTATAAATGCAAATGTGCATTTTT
CTGACGAGTGTCCATAGATATAAAGCCATTTGGTCTTAATTCTGACCAATAAAAAATAAGTCAGGAGG
ATGCAATTGTTGAAAGCTTTGAAATAAAATAACAATGTCTTCTTGAAATTTGTGATGGCCAAGAAAGAA
AATGATGATGACATTAGGCTTCTAAAGGACATACATTTAATTTCTGTGAAATATGAGGAAAATCCA
TGGTTATCTGAGATAGGAGATACAACTTTGTAATTCTAATAATGCACTCAGTTTACTCTCTCCCTCTA
CTAATTTCTGCTGAAAATAACACAACAAAAATGTAACAGGGGAAATTATACCGTGACTGAAAACCTA
GAGTCCTACTTACATAGTTGAAATATCAAGGAGGTCAGAAGAAAATTGGACTGGTGAACAGAAAAAAA
CACTCCAGTCTGCCATATCACCACACAATAGGATCCCCCTTCTTGCCCTCCACCCCATAGATTGTGA
AGGGTTTACTGCTCCTTCCATCTGCCTGACCCCTTCACTATGACTACACAGAATCTCCTGATAGTAAAG
GGGGCTGGAGACAAGGATAAGTTATAGAGCAGTTGGAGGAAGCATCCAAAGATTGCAACCCAGGGCAAA
TGGAAAACAGGAGATCCTAATATGAAAGAAAAATGGATCCCAATCTGAGAAAAGGCAAAAGAAATGGCTA
CTTTTTTCTATGCTGGAGATTTTCTAATAATCCTGCTTGACCCTTATCTGACCTCTTTGGAAACTATA
ACATAGCTGTACAGTATAGTCACAATCCACAATGATGCAGGTGCAAATGGTTTATAGCCCTGTGAAG
TTCTTAAAGTTTAGAGGCTAACTTACAGAAATGAATAAGTTGTTTGTATAGCCCGGTAGAGGAGT
TAACCCCAAAGGTGATATGGTTTTATTTCTGTTATGTTTAACTTGATAATCTTATTTTGGCATTCTTT
TCCCATGACTATATACATCTCTATTTCTCAAATGTTTCATGGAAC TAGCTCTTTTATTTTCTGCTGGT
TTCTTCAGTAATGAGTTAAATAAAACATTGACACATACAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** Sgfl-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\\_000132.4](#)

**Summary:**

This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca<sup>2+</sup> and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder. [provided by RefSeq, Jul 2008]

**Locus ID:**

2157

**MW:**

71.4