

Product datasheet for **SC215188**

Factor XIIIa (F13A1) (NM_000129) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Factor XIIIa (F13A1) (NM_000129) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	F13A1
Synonyms:	F13A
ACCN:	NM_000129
Insert Size:	1565 bp



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Insert Sequence: >SC215188 3'UTR clone of NM_000129
 The sequence shown below is from the reference sequence of NM_000129. 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
GTGCAGATTCAAAGACGACCTTCCATGTGAATGCACAGGAAGCTGAGATGAACCCTGGCATTGGCCCTC
TTGTAGTCTTGGCTAAGGAAATTCTAACGCAAAAATAGCTCTTGCTTTGACTTAGGTGTGAAGACCCAG
ACAGGACTGCAGAGGGCTCCAGAGTGGAGATCCCACATATTTCAAAAACATGCTTTTCCAAACCCAGGC
TATTCGGCAAGGAAGTTAGTTTTAATCTCTCCACCTTCAAAGAGTGCTAAGCATTAGCTTTAATTAA
GCTCTCATAGCTCATAAGAGTAACAGTCATCATTTATCATCACAAATGGCTACATCTCCAAATATCAGT
GGGCTCTCTTACCAGGGAGATTTGCTCAATACCTGGCCTCATTTAAAACAAGACTTCAGATTCCTCCACT
CAGCCTTTTGGGAATAATAGCACATGATTTGGGCTCTAGAATCCAGTCCCTTTCTCGGGTCAAGTT
CTACCCTCCATGTGAGAATATTTTCCAGGACTAGAGCACAAACATAATTTTTATTTTTGGCAAAGCCA
GAAAAAGATCTTTCATTTTGACCTGCAGCCAAGCAAATGCCTGCCAAATTTTAGATTTACCTTGTTAG
AAGAGGTGGCCCATATTAACAAATTGCATTTGTGGGAAACTTAACCACCTACAAGGAGATAAGAAAGC
AGGTGCAACACTCAAGTCTATTGAATAATGTAGTTTTGTGATGCATTTTATAGAATGTGTACACTGTG
GCCTGATCAGCAGGAGCCAATATCCCTTACTTTAACCTTTCTGGGATGCAATACTAGGAAGTAAAGTG
AAGAATTTATCTCTTAGTTAGTGATTATATTTACCCATCTCTCAGGAATCATCTCCTTTGCGAATG
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ACCAGATATAGAAGGACTGCAGCCACTGATTCTCTTGTCTTCCATCACATCACCATGTTGAGACCTC
AGCTTGGCACTCAGGTGCTGAAGGTAATATGGACTCAGCCTTGCAAATAGCCAGTGCTAGTTCTGACC
CAACCACAGAGGATGCTGACATCATTTGTATTATGTTCCAAGGCTACTACAGAGAAGGCTGCCTGCTAT
GTATTTGCAAGGCTGATTTATGGTCAGAATTTCCCTCTGATATGTCTAGGGTGTGATTTAGTCAAGTAG
ACTGTGATTTCTAGCAAAAAATGAACAGTGATAAGTATACTGGGGGCAAAATCAGAATGGAATGCTCTG
GTCTATATAACCACATTTCTAAGCCTTTGAGACTGTTCTGAGCCTTCCAGCACTAACCTATGAGGGTGA
GCTGGTCCCTCTATATATACATCATACTTAACCTTTACTAAGTAACTCACAGCATTGGCCAAAGTCTCC
CAATATCCAATTTAAAATGAAATGCATTTTGCTAGACAGTTAACTGGCTTAACTTAGTATATTATTA
TTAATTACAATGTAATAGAAGCTTAAAATAAAGTTAAACTGATTATA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_000129.4](#)

Summary:

This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. It also crosslinks alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin. Factor XIII deficiency is classified into two categories: type I deficiency, characterized by the lack of both the A and B subunits; and type II deficiency, characterized by the lack of the A subunit alone. These defects can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion. [provided by RefSeq, Jul 2008]

Locus ID:

2162

MW:

59.4