

Product datasheet for **SC213705**

Tissue Factor (F3) (NM_001993) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Tissue Factor (F3) (NM_001993) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: F3
Synonyms: CD142; TF; TFA
ACCN: NM_001993
Insert Size: 1317 bp
Insert Sequence: >SC213705 3'UTR clone of NM_001993
 The sequence shown below is from the reference sequence of NM_001993. 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
AAGGAGAACTCCCCTGAATGTTTCATAAGGAAGCACTGTTGGAGCTACTGCAAATGCTATATTGCA
CTGTGACCGAGAACTTTAAGAGGATAGAATACATGGAAACGCAATGAGTATTTTCGGAGCATGAAGAC
CCTGGAGTTCAAAAACTCTTGATATGACCTGTTATTACCATTAGCATTCTGGTTTTGACATCAGCATT
AGTCACTTTAAAATGTAACGAATGGTACTACAACCAATCCAAAGTTTTAATTTTTAACACCATGGCACC
TTTTGCACATAACATGCTTTAGATTATATATTCCGCACTCAAGGAGTAACCAGGTCGTCCAAGCAAAAA
CAAATGGGAAAATGTCTTAAAAAATCCTGGGTGGACTTTTGAAAAGCTTTTTTTTTTTTTTTTTTTTT
TTGAGACGGAGTCTTGCTCTGTTGCCAGGCTGGAGTGCAGTAGCACGATCTCGGCTCACTGCACCTC
CGTCTCTCGGTTCAAGCAATTGCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGTGCGCACTACC
ACGCCAAGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTACCATCTTGCCAGGCTGGTCTTGAA
TTCTGACCTCAGGTGATCCACCACCTTGGCCTCCCAAAGTGCTAGTATTATGGCGTGAAACCACCAT
GCCCAGCCGAAAAGCTTTTGAGGGGCTGACTTCAATCCATGTAGGAAAGTAAAATGGAAGGAAATGGG
TGCAATTTCTAGGACTTTTCTAACATATGCTATAATATAGTGTGTTAGGTTCTTTTTTTTTTTCAGGAATA
CATTGGAATTCAAAACAATTGGCAAACCTTTGTATTAATGTGTTAAGTGCAGGAGACATTGGTATTCT
GGGCACCTTCTAATATGCTTTACAATCTGCACCTTAAGTGGCATTAAACATTTGAGAGC
TAACTATATTTTTATAAGACTACTATACAACTACAGAGTTTATGATTTAAGGTAATAAGCTTCTAT
GGTTGACATTGTATATAATTTTTAAAAAGTTTTCTATATGGGGATTTTCTATTTATGTAGGTAAT
ATTGTTCTATTTGTATATATTGAGATAATTTATTTAATACTTTAAATAAAGGTGACTGGGAATTGTT
ACTGTTGACTTATTCTATCTCCATTTATTATTTATGTACAATTTGGTGTGTTGATTAGCTCTACTAC
AGTAAATGACTGTAAAATTGTCAGTGGCTTACAACAACGTATCTTTTTCGCTTATAATACATTTTGGT
ACTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
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_001993.5
Summary:	<p>This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces, for example, on monocytes. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. Platelets and monocytes have been shown to express this coagulation factor under procoagulatory and proinflammatory stimuli, and a major role in HIV-associated coagulopathy has been described. Platelet-dependent monocyte expression of coagulation factor III has been described to be associated with Coronavirus Disease 2019 (COVID-19) severity and mortality. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Aug 2020]</p>
Locus ID:	2152
MW:	51.8