

Soluble Tissue Factor

Human, Recombinant (sTF)

Expressed in *E. coli*

Cat. No. CRP0861

Lot. No. (See product label)

PRODUCT INFORMATION

Description: Tissue factor is a cell-surface protein of endothelial cells and monocytes involved in coagulation and inflammation. It is the primary cellular initiator of coagulation cascade, and functions as receptor and cofactor for coagulation Factor VII and VIIa. Soluble human tissue factor with a histidine-tagged extracellular domain is expressed in *E. coli*.

M. W. : 24.8 Da

Recombinant: Expressed in *E. coli*

Purity: ≥95% as determined by SDS-PAGE and HPLC.

Component: Tissue factor, PBS buffer, pH 7.4

Concentration: 2 mg / ml by BCA

PI: 5.16 by Isoelectricfocusing

Storage buffer: Liquid. In PBS Buffer.

Endotoxin: less than 10EU/mg as determined by LAL method

Storage: At 4°C for 6 months and -80°C for 2 years

REFERENCES

1. Ponka P. Cellular iron metabolism. *Kidney Int Suppl.* 1999;69:S2-11.
2. Guo W, Wang H, Zhao W, Zhu J, Ju B, Wang X. Effect of all-trans retinoic acid and arsenic trioxide on tissue factor expression in acute promyelocytic leukemia cells. *Chin Med J (Engl)*.2001;114 (1): 30-34.
3. Bogdanov VY, Balasubramanian V, Hathcock J, Vele O, Lieb M, Nemerson Y. Alternatively spliced human tissue factor: a circulating, soluble, thrombogenic protein. *Nat. Med. April.* 2003;9 (4): 458-462.

FOR RESEARCH USE ONLY



[PDB](#) rendering based on 1ahw.

Available structures: [1ahw](#), [1boy](#), [1dan](#), [1fak](#), [1j9c](#), [1jps](#), [2flb](#), [2flr](#), [2hft](#), [2puq](#), [1o5d](#), [1tff](#), [1uj3](#), [1w0y](#), [1w2k](#), [1wqv](#), [1wss](#), [1wtg](#), [1wun](#), [1wv7](#), [1z6j](#), [2a2q](#), [2aei](#), [2aer](#), [2b7d](#), [2b8o](#), [2c4f](#), [2f9b](#), [2fir](#)

GENE INFORMATION

Gene Name: [F3](#)

Synonyms: CD142; TF; TFAD; TFA; Thromboplastin; CD142 antigen; Coagulation factor III; Tissue factor precursor; coagulation factor III (thromboplastin, tissue factor); tissue factor;TF_HUMAN.

mRNA Refseq: [NM_001993](#)

Protein Refseq: [NP_001984](#)

MIM: [134390](#)

GeneID: [2152](#)

Uniprot ID: P13726

Chromosome Location: 1p22-p21

Process: blood coagulation, blood coagulation, extrinsic pathway

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