
Tissue Factor (33-251)

Human, Recombinant, *E. coli*

Cat. No.: RCP9422

Size: 10µg

Synonym: Coagulation Factor III; TF; Tissue Thromboplastin; CD142

Description: Tissue factor is best known as the primary cellular initiator of blood coagulation. After vessel injury, the Tissue Factor : Factor VIIa complex activates the coagulation protease cascade, which leads to fibrin deposition and activation of platelets. In addition, aberrant Tissue Factor expression within the vasculature initiates life-threatening thrombosis in various diseases, such as sepsis, atherosclerosis, and cancer.

RANDOX recombinant Tissue Factor comprises a 219 amino acid fragment (33-251) corresponding to the extracellular domain of Tissue Factor protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.

Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Carlsson, K. *et al.* (2003) *European Journal of Biochemistry* **270 (12)**: 2576-82.

Zhang, E. *et al.* (1999). *Journal of Molecular Biology* **285 (5)**: 2089-104.