

## 32-9603: Recombinant Mouse Tissue Factor (C-6His)

**Alternative Name :** Tissue factor; TF; Coagulation factor III;

### Description

Source : Human Cells;

Tissue Factor, also known as thromboplastin and CD142, belongs to the tissue factor family which contains 294 amino acid (aa). Mouse TF consists of a signal peptide (residues 1-28) and the mature chain (residues 29-294). It is a single-pass type I membrane protein that expressed in the liver oscillates in a circadian manner. Interacts with HSPE; the interaction, inhibited by heparin, promotes the generation of activated factor X and activates coagulation in the presence of activated factor VII. Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,0.05%Brij35,pH7.5.

**Amino Acid :** Recombinant Mouse Tissue factor is produced by our Mammalian expression system and the target gene encoding Ala29-Glu251 is expressed with a 6His tag at the C-terminus.