

## Recombinant Tissue Factor

Catalog No: C479

<b>Description</b>	Recombinant Human Coagulation Factor III/Tissue Factor is produced by our Mammalian expression system and the target gene encoding Gly34-Glu251 is expressed with a 6His tag at the C-terminus.
<b>Expression System</b>	Human cells
<b>Alternative name</b>	Tissue Factor; TF; Coagulation Factor III; Thromboplastin; CD142; F3
<b>Accession No.</b>	P13726
<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Background</b>	Tissue Factor (TF) is a single-pass type I membrane glycoprotein member of the tissue factor family. TF expression is highly dependent upon cell type. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. TF initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The 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.

### SDS-PAGE

