

## 32-20605: Recombinant Human Tissue Factor(Discontinued)

**Alternative Name :** TF, TF1, Coagulation factor III, factor III, F3, Thromboplastin, CD142

### Description

**Source:CHO cells**

Tissue factor is a transmembrane glycoprotein of the cytokine receptor superfamily that acts as a receptor for coagulation factor VII (FVII) to trigger initiation of the coagulation cascade in response to vascular injury. Expression of tissue factor occurs constitutively within most extravascular and perivascular cells and at high levels within critical organs and tissue. Tissue factor is not normally expressed freely on the surface of circulating blood cells due to its pro-coagulant effect, but is instead stored on the surface of mononuclear and endothelial cells in microparticles that can shed into circulation in response to vascular injury, pro-inflammatory cytokines, or microbial ligands. Tissue factor can also be shed into circulation by cancer cells where its expression in a number of cancer types has been linked to tumor progression, metastatic potential, thrombosis, and angiogenesis. Expression of tissue factor has been shown to be inducible by select cytokines in a number of cell types, including IL-1Beta and TNF-Alpha in vascular endothelial cells and macrophages, and TNF-Alpha , IL-6, and FGF-Basic in monocytes, among others. The CHO cell-derived Recombinant Human Tissue Factor is a glycoprotein homodimer comprised of the 214-amino-acid length monomer containing a C-terminal His-Tag. It has a calculated molecular weight of approximately 24.4 kDa, and as a result of glycosylation, Recombinant Human Tissue Factor migrates with an apparent molecular mass of approximately 45-55 kDa by SDS-PAGE gel, under reducing conditions.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity:>= 95% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** SGTNTVAAY NLTWKSTNFK TILEWEPKPV NQVYTVQIST KSGDWKSKCF YTTDTECDLT DEIVKDVKQT  
YLARVFSYPA GNVESTGSAG EPLYENSPEF TPYLETNLGQ PTIQSFEQVG TKVNVTVVEDE RTLVRNNTF  
LSLRDVFVKD LIYTLYYWKS SSSGKKTAKT NTNEFLIDVD KGENYCFSVQ AVIPSRTVNR KSTDSPHHHH  
HHHH