



TF Recombinant Protein

CATALOG NUMBER: 91-434

Specifications

SPECIES:	Human
SOURCE SPECIES:	Human Cells
SEQUENCE:	Gly34-Glu251
FUSION TAG:	C-6 His tag
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.

Properties

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PREDICTED MOLECULAR WEIGHT:	25.76 kD
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.2. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH2O.
STORAGE CONDITIONS:	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.

Additional Info

ALTERNATE NAMES:	Tissue Factor, TF, Coagulation Factor III, Thromboplastin, CD142, F3
ACCESSION NO.:	P13726

Background

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.

FOR RESEARCH USE ONLY

December 14, 2016