

Tissue Factor Protein, Human, Recombinant (Active, His)

General Information

Synonyms:	Thromboplastin;CD142;F3;Tissue factor;Coagulation factor III;TF
Protein Construction:	33-251 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P13726
Molecular Weight:	26.2 kDa (Predicted)
AA Sequence:	SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKSGDWKSKCFYTTDTECDLTDEIVKDKVQTYLA RVFSYPAGNVESTGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNVTVEDERTLVRRNNTFLSLRDVF GKDLIYTLYYWKSSSSGKKTAKTNTNEFLIDVDKGENYCFSVQAVIPSRVTNRKSTDSPVECMGQEKGEFRE

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human TF at 2 µg/mL can bind Anti-TF recombinant antibody (CSB-RA007928MA2HU). The EC50 is 1.434-1.635 ng/mL.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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