

Tissue Factor Protein, Human (HEK293, Fc)

Cat. No.:	HY-P7787A
Synonyms:	rHuCD142, His; Tissue Factor; TF; Coagulation Factor III; Thromboplastin; CD142; F3
Species:	Human
Source:	HEK293
Accession:	P13726 (S33-G251)
Gene ID:	2152
Molecular Weight:	65-72 kDa

PROPERTIES

AA Sequence	<pre> S G T T N T V A A Y N L T W K S T N F K T I L E W E P K P V N Q V Y T V Q I S T K S G D W K S K C F Y T T D T E C D L T D E I V K D V K Q T Y L A R V F S Y P A G N V E S T G S A G E P L Y E N S P E F T P Y L E T N L G Q P T I Q S F E Q V G T K V N V T V E D E R T L V R R N N T F L S L R D V F G K D L I Y T L Y Y W K S S S S G K K T A K T N T N E F L I D V D K G E N Y C F S V Q A V I P S R T V N R K S T D S P V E C M G Q E K G E F R E </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<0.1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Tissue factor (TF), also known as CD142, a 47-kDa transmembrane glycoprotein, is a principal regulator of oncogenic neoangiogenesis and controls therefore the cancerous process. TF is the only membrane-bound coagulation factor (factor III), cofactor, and surface receptor for coagulation factor VII (fVII)/activated fVII (fVIIa). TF is commonly yet selectively expressed by multiple tumor compartments, including but not limited to, the cancer cells, cancer stem cells and tumor vascular endothelial cells, whereas it is negatively, minimally or restrictedly expressed in normal cells. TF regulates tumour growth, embryonic and oncogenic blood vessel formation, inflammation and sepsis.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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