Recombinant Human Tissue Factor, Lipidated

Cat. No. F3-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A lipidated recombinant human tissue factor was prepared.
Species	Human
Description	This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.
Form	Lyophilized from 100 μL of 50 mM Tris, 100 mM NaCl pH 7.6, 200 mM mannitol.
Storage	Store at 2 - 8°C. Store reconstituted material at –70°C
Reconstitution	Add 100 μL of filtered deionized water.

GENE INFORMATION

Gene Name	F3 coagulation factor III (thromboplastin, tissue factor) [Homo sapiens]

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Official Symbol	F3
Synonyms	F3; coagulation factor III (thromboplastin, tissue factor); tissue factor; CD142; TF; TFA; FLJ17960;
Gene ID	2152
mRNA Refseq	NM_001178096
Protein Refseq	NP_001171567
MIM	134390
UniProt ID	P13726
Chromosome Location	1p22-p21
Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Extrinsic Pathway, organism-specific biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	cell surface binding; phospholipid binding; protease binding; protein binding;

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