Active Recombinant Mouse Coagulation Factor III

Cat. No. F3-459M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse F3 consists of the extracellular domain of mouse tissue factor, amino acids 29-250 of the protein, plus an amino terminal peptide sequence used for purification. It is produced in an*E.coli*expression system. It is visualized at approximately 28 kD on an SDS gel electrophoresis.
Species	Mouse
Source	E.coli
ProteinLength	29-250 a.a.
Description	Tissue factor is a cell-surface protein of endothelial cells and monocytes involved in coagulation and inflammation. It is the primary cellular initiator of coagulation cascade, and functions as receptor and cofactor for coagulation Factor VII and VIIa.
Activity	can be used in a single-stage clotting assay (ingredients: normal mouse plasma + phospholipids in a buffer containing CaCl2). At a stock concentration of 90 μg/ml a 1:5 dilution of 4500M with the test sample yields a clotting time of approximately 34 seconds.
Presentation	Screw capped clear glass vial containing10 μg of protein lyophilized in a buffer of PBS, 0.01% CHAPS, pH 7.8 with 200 mM mannitol added as an excipient.
Purity	Estimated at greater than 95% per SDS gel electrophoresis and silver staining. 4500M appears as a single band at approximately 28 kD.

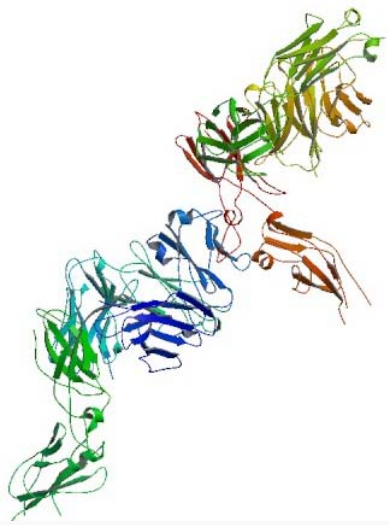
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Reconstitution	Reconstitute by adding 100 µ of filtered deionized water.
Storage And Stability	Store lyophilized protein at 2°-8°C. Reconstituted protein may be aliquoted and stored frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name	F3 coagulation factor III [Mus musculus]
Synonyms	coagulation factor III; TF; Cf3; Cf-3; CD142; AA409063; F3; tissue factor
Gene ID	14066
mRNA Refseq	NM_010171
Protein Refseq	NP_034301
UniProt ID	P20352
Chromosome Location	3 G1; 3 50.0 cM
Pathway	Complement and coagulation cascades
Function	protease binding

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