Active Native Mouse Coagulation Factor X

Cat. No. F10-5392M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Mouse F10a is prepared by activating purified F10 with the factor X activator isolated from Russell"s viper venom. Factor Xa is purified from the activation mixture by chromatography over benzamidine-Sepharose.
Species	Mouse
Source	Mouse Plasma
Description	F10, also known bythe eponym Stuart-Prower factor or as prothrombinase, is an enzyme of thecoagulation cascade. It is a serine endopeptidase.
Form	Liquid containing50% glycerol.
Bio-activity	Activity is measuredin a factor Xa clotting assay and/or chromogenic substrate assay.
Molecular Mass	46 kDa
Endotoxin	< 0.1="" ng/μg="" ofprotein.="">
Purity	≥95% by SDS-PAGEanalysis.
Storage	Store at 20°C. Stable at 20°C for 1 year from delivery. Avoid repeated freeze-thaw cycles.
Concentration	5.0 mg/ml

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	F10 coagulation factor X [Mus musculus]
Official Symbol	F10
Synonyms	F10; coagulation factor X; stuart factor; fX; Cf10;
Gene ID	14058
mRNA Refseq	NM_001242368
Protein Refseq	NP_001229297
Pathway	Blood Clotting Cascade, organism-specific biosystem; Common Pathway, organism-specific biosystem; 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;
Function	calcium ion binding; catalytic activity; hydrolase activity; peptidase activity; phospholipid binding; serine-type endopeptidase activity; serine-type peptidase activity;

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