Active Native Rat Coagulation Factor X

Cat. No. F10-5395R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat F10 is prepared from fresh frozen plasma by a combination of conventional procedures andimmunoaffinity chromatography.
Species	Rat
Source	Rat 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 measuredusing a F10 clotting assay.
Molecular Mass	63 kDa
Endotoxin	< 0.1="" ng/μg="" ofprotein.="">
Purity	≥95% by SDS-PAGEanalysis.
Storage	Store at -20°C.Stable for 1 year from delivery. Avoid repeated freeze-thaw cycles.
Concentration	5.0 mg/ml

GENE INFORMATION

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Gene Name	F10 coagulation factor X [Rattus norvegicus]
Official Symbol	F10
Synonyms	F10; coagulation factor X; stuart factor; coagulation factor 10; MGC108722;
Gene ID	29243
mRNA Refseq	NM_017143
Protein Refseq	NP_058839
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; peptidase activity; phospholipid binding; phospholipid binding; serine-type endopeptidase activity; serine-type endopeptidase activity;

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