

Native Mouse Coagulation Factor IX

Cat. No. F9-5405M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NativeMouse F9 was expressed in Mouseplasma.
Species	Mouse
Source	Mouse Plasma
Description	F9 is one of the serine proteases of the coagulation system; it belongs to peptidase family S1. Deficiency of this protein causes hemophilia B. It was discovered in 1952 after a young boy named Stephen Christmas was found to be lacking this exact factor, leading to hemophilia.
Form	Liquid in 50% Glycerol.
Molecular Mass	45 kDa
Endotoxin	Activity is determined in a one-stage clotting assay.
Purity	≥95% by SDS-PAGE analysis. F9 is prepared from highly purified Factor IX by activation with Factor XIa. The Factor IXa is further purified by gel filtration, followed by immunoaffinity purification.
Storage	Store at -20°C. Stable for 1 year from delivery. Avoid repeated freeze-thaw cycles.
Concentration	5.0 mg/ml

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GENE INFORMATION

Gene Name	F9 coagulation factor IX [Mus musculus]
Official Symbol	F9
Synonyms	F9; coagulation factor IX; christmas factor; Cf9; Cf-9; AW111646;
Gene ID	14071
mRNA Refseq	NM_007979
Protein Refseq	NP_032005
Pathway	Blood Clotting Cascade, 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; Gamma-carboxylation of protein precursors, organism-specific biosystem;
Function	calcium ion binding; catalytic activity; hydrolase activity; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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