

# Native Mouse Coagulation Factor IX

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

## SPECIFICATION

<b>Product Overview</b>	NativeMouse F9 was expressed in Mouseplasma.
<b>Species</b>	Mouse
<b>Source</b>	Mouse Plasma
<b>Description</b>	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.
<b>Form</b>	Liquid in 50% Glycerol.
<b>Molecular Mass</b>	45 kDa
<b>Endotoxin</b>	Activity is determined in a one-stage clotting assay.
<b>Purity</b>	≥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.
<b>Storage</b>	Store at -20°C. Stable for 1 year from delivery. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	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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