Native Human Coagulation Factor IX

Cat. No. F9-671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NativeHuman F9 is prepared from fresh frozen plasma by a combination ofconventional procedures and immunoaffinity chromatography.
Species	Human
Source	Human Plasma
Description	Human F9, activated by either the Contact or Tissue FactorPathway, is esponsible for the activation of Factor X to Xa.
Form	Frozenliquid in 0.02 M Tris-HCl Buffer + 0.1 M NaCl + 0.001 M Benzamidine, pH 7.4.
BiologicalActivity	Activity isdetermined via clotting assay.
Endotoxin Level	< 0.1 ng/ug ofprotein.
Concentration	5.0 mg/ml
Molecular Weight	56 kDa
Storage	Store at -80°C. Stable for 3 years fromdelivery. Avoid repeated freeze-thaw cycles.
Pathways	Blood Clotting Cascade; Complement andCoaqulation Cascades; Extrinsic Pathway; Formation of Fibrin Clot (ClottingCascade); Gamma-carboxylation of protein precursors; Gamma-carboxylation,transport, and amino-terminal cleavage of proteins;

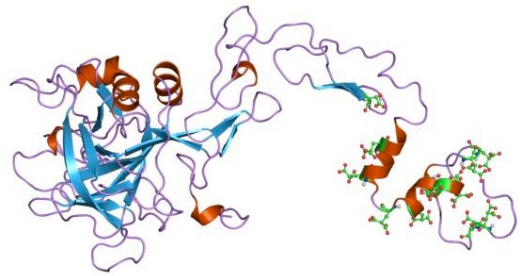
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	Hemostasis; IntrinsicPathway; Metabolism of proteins; Post-translational protein modification;Removal of aminoterminal propeptides from gamma-carboxylation proteins

GENE INFORMATION

Gene Name	F9 coagulation factor IX [Homo sapiens]
Official Symbol	F9
Synonyms	F9; coagulation factor IX;FIX;P19; PTC; HEMB; MGC129641; MGC129642; F9p22; factor9; factor IX F9; serine protease; Christmas factor; OTTHUMP00000024154;plasma thromboplastic component; EC 3.4.21.22; EC 3.4.21; Coagulation factorIX; Plasma thromboplastic component; Coagulation factor IX light chain; Coagulationfactor IX heavy chain; Factor IX; hemophilia B
Gene ID	2158
mRNA Refseq	NM_000133
Protein Refseq	NP_000124
MIM	300746
UniProt ID	P00740
Chromosome Location	Xq27.1-q27.2
Function	peptidase activity; calciumion binding; serine-typeendopeptidase activity

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