

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 of conventional procedures and immunoaffinity chromatography.
Species	Human
Source	Human Plasma
Description	Human F9, activated by either the Contact or Tissue Factor Pathway, is responsible for the activation of Factor X to Xa.
Form	Frozen liquid in 0.02 M Tris-HCl Buffer + 0.1 M NaCl + 0.001 M Benzamidine, pH 7.4.
Biological Activity	Activity is determined via clotting assay.
Endotoxin Level	< 0.1 ng/ug of protein.
Concentration	5.0 mg/ml
Molecular Weight	56 kDa
Storage	Store at -80°C. Stable for 3 years from delivery. Avoid repeated freeze-thaw cycles.
Pathways	Blood Clotting Cascade; Complement and Coagulation Cascades; Extrinsic Pathway; Formation of Fibrin Clot (Clotting Cascade); 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

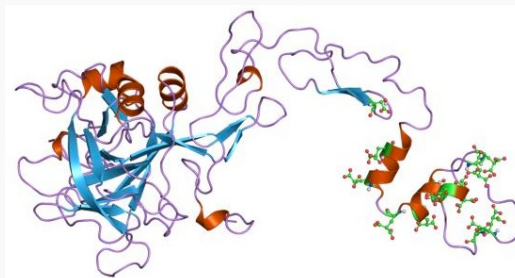
Function peptidase activity; calciumion binding; serine-typeendopeptidase activity

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PDB rendering
based on 1pfs.



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