

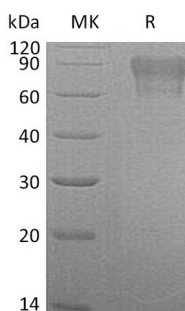
Product Name: Recombinant Human Factor IX (C-6His)
Catalog #: PHH0613



概述 (Summary)

英文全称	Coagulation factor Ix chain/F9
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Coagulation Factor IX is produced by our Mammalian expression system and the target gene encoding Thr29-Thr461 is expressed with a 6His tag at the C-terminus.
Accession #	P00740
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	49.8 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

Product Name: Recombinant Human Factor IX (C-6His)
Catalog #: PHH0613



分子别名 (Alternative Names)

F9; Coagulation factor IX; Christmas factor; Plasma thromboplastin component; Coagulation factor IXa light chain; Coagulation factor IXa heavy chain

背景介绍 (References)

Coagulation factor IX (F9), is a member of the peptidase S1 family. It contains two EGF-like domains, a Gla domain and a peptidase S1 domain. It is primarily expressed in the liver and secreted in plasma. Factor IX is a vitamin K-dependent plasma protein that participates in the intrinsic pathway of blood coagulation by converting factor X to its active form in the presence of Ca^{2+} ions, phospholipids, and factor VIIIa. Mutations in position 43 and 46 prevents cleavage of the propeptide, mutation in position 93 probably fails to bind to cell membranes, mutation in position 191 or in position 226 prevent cleavage of the activation peptide. Mutations of human F9 can result in thrombophilia and recessive X-linked hemophilia B (HEMB). An X-linked blood coagulation disorder characterized by a permanent tendency to hemorrhage, due to factor IX deficiency. It is phenotypically similar to hemophilia A, but patients present with fewer symptoms. Many patients are asymptomatic until the hemostatic system is stressed by surgery or trauma.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.