

[Go to Product page](#)

Datasheet for ABIN7318321

**Coagulation Factor IX Protein (F9) (His tag)**

## Overview

Quantity:	50 µg
Target:	Coagulation Factor IX (F9)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Coagulation Factor IX protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Coagulation Factor IX/F9 Protein (His Tag)
Sequence:	Thr 29-Thr461
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Coagulation Factor IX (F9)
Alternative Name:	Coagulation Factor IX/F9 ( <a href="#">F9 Products</a> )
Background:	Background: 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

## Target Details

the intrinsic pathway of blood coagulation by converting factor X to its active form in the presence of  $\text{Ca}^{2+}$  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.

Synonym: Coagulation factor 9,F9,Coagulation factor IX,Christmas factor,Plasma thromboplastin component,Coagulation factor IXa light chain,Coagulation factor IXa heavy chain,FIX,HEMB,P19,PTC,THPH8

Molecular Weight:	49.8 kDa
-------------------	----------

UniProt:	<a href="#">P00740</a>
----------	------------------------

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Frozen, Liquid
---------	----------------

Buffer:	Supplied as a 0.2 $\mu\text{m}$ filtered solution of 20 mM TrisHCl,150 mM NaCl,10 % Glycerol, pH 8.0.
---------	---

Storage:	-20 °C
----------	--------

Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
------------------	--