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Datasheet for ABIN7317553

Coagulation Factor IX Protein (F9) (His tag)

Overview

Quantity:	50 µg
Target:	Coagulation Factor IX (F9)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
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)(Active)
Sequence:	Met 1-Thr 461
Characteristics:	A DNA sequence encoding the human F9 (AAB59620.1) (Met 1-Thr 461) was expressed, fused with a polyhistidine 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.
Biological Activity Comment:	Measured by its ability to cleave the peptide substrate, Z-D-Arg-Gly-Arg-pNA. The specific activity is >20pmols/min/ug.

Target Details

Target:	Coagulation Factor IX (F9)
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Target Details

Alternative Name: Coagulation Factor IX/F9 ([F9 Products](#))

Background: Background: Coagulation factor IX, also known as Christmas factor, Plasma thromboplastin component and PTC, is a secreted protein which belongs to the peptidase S1 family. Coagulation factor IX / F9 contains two EGF-like domains, one Gla (gamma-carboxy-glutamate) domain and one peptidase S1 domain. Coagulation factor IX / F9 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 Ca²⁺ ions, phospholipids, and factor VIIIa. Defects in Coagulation factor IX / F9 are the cause of thrombophilia due to factor IX defect which is a hemostatic disorder characterized by a tendency to thrombosis. Defects in Coagulation factor IX / F9 are also the cause of recessive X-linked hemophilia B (HEMB) which also known as Christmas disease.

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: 50 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.