

Recombinant Mouse Coagulation Factor IX/F9 Protein (His Tag)



Catalog Number: PKSM040717

Note: Centrifuge before opening to ensure complete recovery of vial contents.

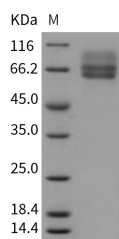
Description

Synonyms	AW111646, Cf-9, Cf9
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Thr 471
Accession	P16294
Calculated Molecular Weight	51.3 kDa
Observed molecular weight	60-80 kDa
Tag	C-His
Bioactivity	Testing in progress

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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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 is also known as

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Christmas disease.

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