

Coagulation Factor IX / FIX / F9 Recombinant Protein | FIX recombinant protein

Recombinant Human Coagulation Factor IX / FIX / F9 Protein (His tag)

CATALOG #
AAA173545

HOST
HEK293 Cells

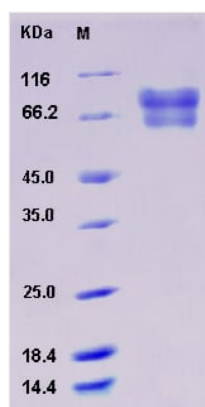
PRODUCT SYNONYMS

Coagulation Factor IX / FIX / F9; Recombinant Human Coagulation Factor IX / FIX / F9 Protein (His tag); RP6-88D7.1; FIX; HEMB; MGC129641; MGC129642; PTC; FIX recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4 5% trehalose , 5% mannitol, 0.01% tween-80
Sequence	Met1-Thr46 1
Sequence Length	461
Species	Human
Tag	C-His
Endotoxin	< 1.0 EU per mug of the protein as determined by the LAL method
Biological Activity	Measured by its ability to cleave the peptide substrates, Z-D-Arg-Gly-Arg-pNA. The specific activity is >20pmols/min/ug.
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do no mix by vortex. It is recommended that the sterile water be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein should be stored at < -20°C, Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FIX recombinant protein	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+ons, 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	182613
NCBI GeneID	2158
Molecular Weight	Molecular Mass: 50kDa AP_Mol_Mass: 60-80 kDa
NCBI Official Full Name	factor IX
NCBI Official Synonym Full Names	coagulation factor IX
NCBI Official Symbol	F9
NCBI Official Synonym Symbols	FIX; P19; PTC; HEMB; THPH8; F9 p22
NCBI Protein Information	coagulation factor IX
UniProt Protein Name	Coagulation factor IX
UniProt Gene Name	F9
UniProt Synonym Gene Names	PTC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/f9-recombinant-protein-hek293-cells/173545>