PRODUCT INFORMATION

Target	F9
Synonyms	FIX; P19; PTC; HEMB; THPH8; F9 p22
Description	Recombinant human F9 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P00740
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	F9(Thr29-Thr461) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 49.6 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca+2 ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Sep 2015]
Usage	Research use only
Conjugate	Unconjugated

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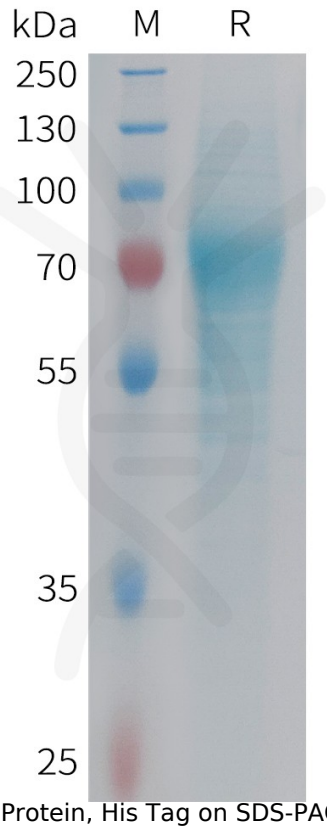


Figure 1. Human F9 Protein, His Tag on SDS-PAGE under reducing condition.

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