

Recombinant Human Blood Coagulation Factors Ixa Reference standard

Cat. No. F9-163H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Standard for Activated Factor IX (FIXa), Human, consists of ampoules containing aliquots of a freeze-dried purified human FIXa prepared from activated recombinant human Factor IX.
Species	Human
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Open ampoule, taking care to ensure that all material is in the lower part, and reconstitute with 1.0ml distilled water. The reconstituted Standard should be used as soon as possible.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Stability	Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label. The predicted loss for Standard stored at +20°C was 0.8% per

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year and this supports shipment at ambient temperature. These studies shown that when stored at -20°C or below the assigned value remain valid until the material is replacem or withdrawn. The accelerated degradation study and real time monitoring will continue for the lifetime of the standard. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart. On bench stability: Studies on stability after reconstitution showed that no detectable sign of degradation was observed in samples stored on melting ice for 4 hours. However, when stored at room temperature (+22°C) after reconstitution, up to 20% and 25 % loss of activity were observed after 2 and 4 hours respectively. It is recommended that once reconstituted, the standard should be kept on melting ice, in plastic tube for no longer than 4 hours.

Storage

Unopened ampoules should be stored in the dark at or below -20°C. Allow ampoules to warm to room temperature. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name F9 coagulation factor IX [Homo sapiens];

Official Symbol F9

Synonyms

F9; coagulation factor IX; Christmas disease; Factor IX; FIX; hemophilia B; plasma thromboplastic component; F9 p22; FIX F9; factor 9; factor IX F9; serine protease; Christmas factor; plasma thromboplastin component; P19; PTC; HEMB; THPH8; MGC129641; MGC129642;

Gene ID 2158

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mRNA Refseq	NM_000133
Protein Refseq	NP_000124
MIM	300746
UniProt ID	P00740
Chromosome Location	Xq26.3-q27.1
Pathway	Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Extrinsic Pathway, organism-specific biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; Gamma-carboxylation of protein precursors, organism-specific biosystem;
Function	calcium ion binding; peptidase activity; serine-type endopeptidase activity;

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