Human Blood Coagulation Factor VIIa Reference standard

Cat. No. F7-24H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The preparation consists of ampoules containing 1ml aliquots of Factor VIIa concentrate, freeze-dried. The standard is primarily intended for the relative potency estimation of therapeutic concentrates of activated factor VII.
Species	Human
Enzyme Unit	The overall mean potency assigned to each ampoule of the reference standard is 656 IU.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution Reconstitute the total contents of each ampoule of the standard at room temperature with 1.0 ml distilled water using gentle shaking. Transfer the solution to a plastic tube. Assays should be carried out as soon as possible after reconstitution. Studies have shown that the reconstituted standard is stable for 4 hours when stored in a plastic tube on melting ice. It is not recommended to freeze aliquots after reconstitution for subsequent use.
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 laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols.

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	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 and they should be stored on receipt as indicated on the label. Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20 °C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.
Storage	Unopened ampoules should be stored in the dark at -20 °C or below. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	F7 coagulation factor VII (serum prothrombin conversion accelerator) [Homo sapiens];
Official Symbol	F7
Synonyms	F7; coagulation factor VII (serum prothrombin conversion accelerator); coagulation factor VII; eptacog alfa; factor VII; FVII coagulation protein; SPCA; proconvertin; serum prothrombin conversion accelerator;
Gene ID	2155
mRNA Refseq	NM_000131

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Protein Refseq	NP_000122
MIM	613878
UniProt ID	P08709
Chromosome Location	13q34
Pathway	BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Circadian Clock, 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;
Function	calcium ion binding; glycoprotein binding; peptidase activity; receptor binding; serine-type endopeptidase activity; serine-type peptidase activity;

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