

Human Factor VII Reference standard

Cat. No. F7-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The intended use of this preparation is for potency estimation of Factor VII concentrates.
Species	Human
Enzyme Unit	The potency by chromogenic methods is 9.8 IU per ampoule. The potency by clotting methods is 10.6 IU per ampoule.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Allow the ampoule to reach ambient temperature before opening and reconstitute with 1.0 ml distilled water, using gentle shaking. Transfer the contents to a plastic tube and keep on ice.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

indicated on the label. Predictions on long term stability are made by monitoring ampoules stored under accelerated degradation conditions over time. Based on the results of a stability test it is advised that ampoules are stored on wet ice following reconstitution and potency assays should be completed within 2 hours of reconstitution.

Storage

Upon receipt unopened ampoules should be stored in the dark at or below -20 °C. 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
Protein Refseq	NP_000122
MIM	613878
UniProt ID	P08709

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA