Recombinant Human Coagulation factor VII/F7 Protein

Catalog No.: RP03595

Sequence Information

Species
Human

Gene ID
2155

Swiss Prot
P08709-2

Tags
C-His

Synonyms
Proconvertin; SPCA; Eptacog alfa; F7; Coagulation factor VII; factor VII

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SEC-HPLC.

Calculated MW
46.5 kDa

Observed MW
52 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Factor VII is the coagulation protease responsible for starting a cascade of proteolytic events that lead to thrombin generation, fibrin deposition, and platelet activation. The FVII protein also contains two epidermal growth factor-like (EGF-like) domains and an activation peptide with a glycosylated asparagine that provides a proteolytic cleavage site. The catalytic regions exhibit the serine protease activity, which leads to various functions of the protein[18]. The role of FVII in the pathogenesis of various cancers has extensively been studied.

Basic Information

Description
Recombinant Human Coagulation factor VII/F7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Pro444) of Human Coagulation factor VII/F7 (Accession #NP_062562.1) fused with His tag at the C-Terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

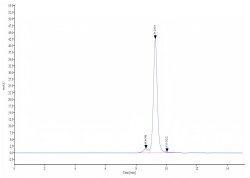
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

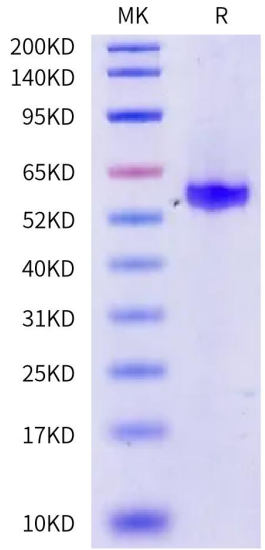
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The purity of Human Coagulation factor VII is greater than 85% as determined by SEC-HPLC.



Human Coagulation factor VII on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.