

Recombinant Mouse F7 Protein, MYC/DDK-tagged

Cat. No. F7-1000M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse coagulation factor VII (F7), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a vitamin K-dependent serine protease that plays a critical role in the extrinsic pathway of blood coagulation. Upon contact with tissue factor III (TF III), the encoded protein forms an activated complex termed TF-FVIIa that initiates the coagulation cascade involving other coagulation factors, ultimately resulting in a fibrin clot. Complete lack of the encoded protein in mice results in in perinatal lethality due to bleeding from normal blood vessels.
Molecular Mass	50.3 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name F7 coagulation factor VII [Mus musculus (house mouse)]

Official Symbol F7

Synonyms F7; coagulation factor VII; Cf7; FVII; AI132620; coagulation factor VII; serum prothrombin conversion accelerator; EC 3.4.21.21

Gene ID 14068

mRNA Refseq NM_010172

Protein Refseq NP_034302

UniProt ID P70375

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