

## Recombinant Mouse F7 Protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse coagulation factor VII (F7), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	50.3 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/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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