

Recombinant Mouse F7 protein, His-tagged

Cat. No. F7-1912M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F7 aa. (Ala42~Lys169 (Accession # P70375)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala42~Lys169
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.
GENE INFORMATION	
Gene Name	F7 coagulation factor VII [<i>Mus musculus</i> (house mouse)]
Official Symbol	F7
Synonyms	Pfkl; phosphofructokinase, liver type; PFK-L; ATP-PFK; ATP-dependent 6-phosphofructokinase, liver type; 6-phosphofructokinase type B; 6-phosphofructokinase, liver type; PFK-B; phosphofructo-1-kinase isozyme B; phosphofructokinase 1; phosphofructokinase, liver, B-type; phosphohexokinase
Gene ID	14068
mRNA Refseq	NM_010172.4

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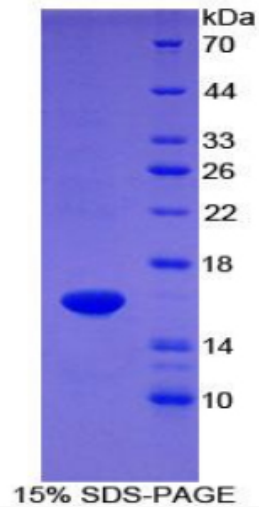
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Protein Refseq NP_034302.2

UniProt ID P70375



SDS-PAGE

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