

Recombinant Mouse F9 protein, His-tagged

Cat. No. F9-7808M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F9 aa. (Glu241~Trp463 (Accession # P16294)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Glu241~Trp463
Description	This gene encodes a vitamin K-dependent serine protease that plays a critical role in the intrinsic pathway of blood coagulation. The encoded protein is an inactive zymogen that is activated by coagulation factor XIa to generate factor IXa, a heterodimer containing heavy and light chains. In association with factor VIII, membrane phospholipids and calcium ions, factor IXa cleaves the inactive zymogen factor X to generate active factor Xa. Genetic deletion of this gene in mice results in a severe bleeding phenotype. Alternative splicing of this gene results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

 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

Characteristic	The isoelectric point is 7.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. 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. The loss rate 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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

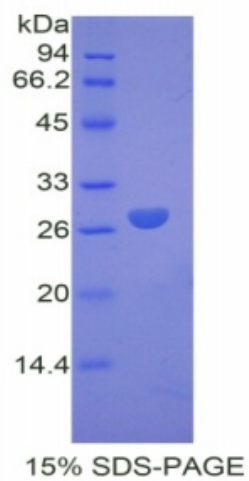
Gene Name	F9 coagulation factor IX [<i>Mus musculus</i> (house mouse)]
Official Symbol	F9
Synonyms	F9; coagulation factor IX; Cf9; Cf-9; AW111646; christmas factor
Gene ID	14071
mRNA Refseq	NM_001305797.1
Protein Refseq	NP_001292726.1
UniProt ID	P16294

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SDS-PAGE



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