

## Recombinant Mouse F9 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse F9 aa. (Glu241~Trp463 (Accession # P16294)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu241~Trp463
<b>Description</b>	<p>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.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 26.5kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Characteristic</b>	The isoelectric point is 7.2.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

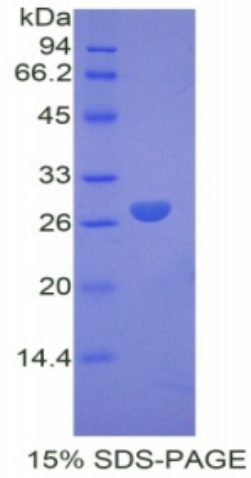
<b>Gene Name</b>	F9 coagulation factor IX [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	F9
<b>Synonyms</b>	F9; coagulation factor IX; Cf9; Cf-9; AW111646; christmas factor
<b>Gene ID</b>	14071
<b>mRNA Refseq</b>	NM_001305797.1
<b>Protein Refseq</b>	NP_001292726.1
<b>UniProt ID</b>	P16294

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA