

## Recombinant Mouse F3 protein, His-tagged

Cat. No. F3-2734M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse F3 aa. (Gly30~Glu251 (Accession # P20352)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly30~Glu251
<b>Description</b>	<p>This gene encodes a membrane-bound glycoprotein that forms the primary physiological initiator of the blood coagulation process following vascular damage. The encoded protein binds to coagulation factor VIIa and the ensuing complex catalyzes the proteolytic activation of coagulation factors IX and X. Mice lacking encoded protein die in utero resulting from massive hemorrhaging in both extraembryonic and embryonic vessels. A severe deficiency of the encoded protein in mice results in impaired uterine homeostasis, shorter life spans due to spontaneous fatal hemorrhages and cardiac fibrosis.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 26.6kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 7.7.
<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% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

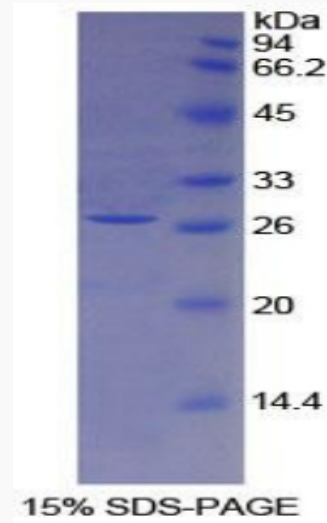
<b>Gene Name</b>	F3 coagulation factor III [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	F3
<b>Synonyms</b>	TF; Cf3; Cf-3; CD142; AA409063; tissue factor
<b>Gene ID</b>	14066
<b>mRNA Refseq</b>	NM_010171.3
<b>Protein Refseq</b>	NP_034301.3
<b>UniProt ID</b>	P20352

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SDS-PAGE



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