

Recombinant Mouse F3 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse F3 aa. (Gly30~Glu251 (Accession # P20352)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gly30~Glu251
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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

GENE INFORMATION

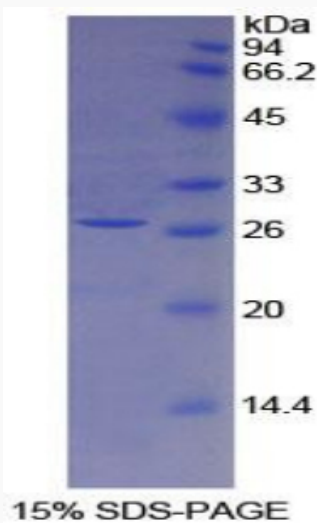
Gene Name	F3 coagulation factor III [Mus musculus (house mouse)]
Official Symbol	F3
Synonyms	TF; Cf3; Cf-3; CD142; AA409063; tissue factor
Gene ID	14066
mRNA Refseq	NM_010171.3
Protein Refseq	NP_034301.3
UniProt ID	P20352

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SDS-PAGE



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