

Recombinant Mouse F5 protein, His-tagged

Cat. No. F5-770M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F5 aa. (Pro364~Cys611 (Accession # O88783)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Pro364~Cys611
Description	This gene encodes a glycoprotein coagulation factor that plays a critical role in the process of blood coagulation and hemostasis. The encoded protein is activated by thrombin, to generate a heterodimer containing heavy and light chains held together by calcium ions. About half of the mice lacking the encoded protein die at an embryonic stage possible due to abnormal yolk-sac vasculature while the remaining animals succumbed to massive hemorrhage immediately after birth. A point mutation in this gene has been shown to cause disseminated intravascular thrombosis in the perinatal period, resulting in frequent deaths of newborn mice.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.5.
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	F5 coagulation factor V [<i>Mus musculus</i> (house mouse)]
Official Symbol	F5
Synonyms	Cf5; Cf-5; A1173222; activated protein C cofactor; coagulation factor V
Gene ID	14067
mRNA Refseq	NM_007976.3
Protein Refseq	NP_032002.1
UniProt ID	O88783

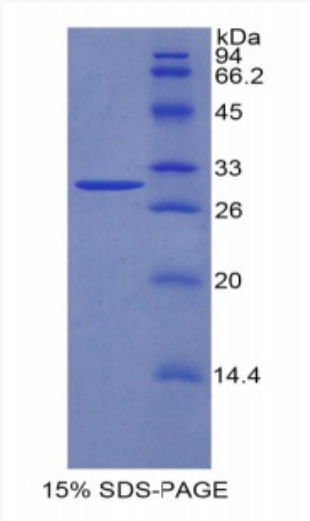
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SDS-PAGE



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