Recombinant Mouse F12 protein, His & T7-tagged

Cat. No. F12-774M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F12 aa. (Phe352~Tyr587 (Accession # Q80YC5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Phe352~Tyr587
Description	This gene encodes a glycoprotein coagulation factor that plays an important role in the intrinsic pathway of blood coagulation and hemostasis. The encoded protein is an inactive zymogen that is autoactivated upon contact with negatively charged surfaces or misfolded protein aggregates. Mice lacking the encoded protein have a severe defect in forming stable fibrin clots.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.1kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.7.

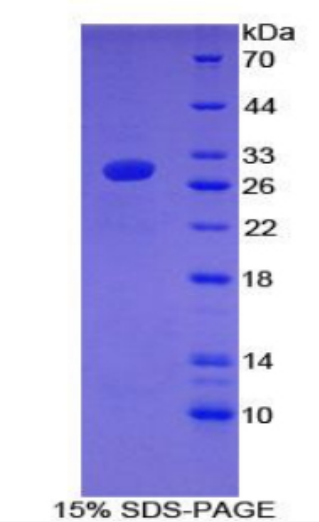
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and 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	F12 coagulation factor XII (Hageman factor) [Mus musculus (house mouse)]
Official Symbol	F12
Synonyms	HAF; FXII; factor XII; coagulation factor XII; hageman factor
Gene ID	58992
mRNA Refseq	NM_021489.3
Protein Refseq	NP_067464.2
UniProt ID	Q80YC5

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SDS-PAGE	

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