

Recombinant Mouse F12 Protein, His-tagged

Cat. No. F12-909M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F12 Protein (Ala20-Ser597) with His tag was expressed in 293F.
Species	Mouse
Source	HEK293
ProteinLength	Ala20-Ser597
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: 65.3 kDa; Accurate Molecular Mass: 110 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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	less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

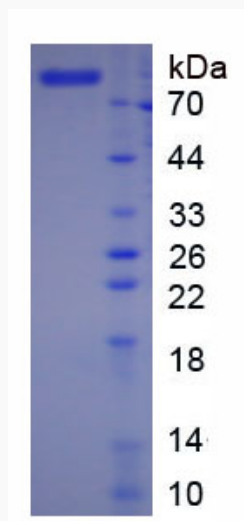
GENE INFORMATION

Gene Name	F12 coagulation factor XII (Hageman factor) [Mus musculus (house mouse)]
Official Symbol	F12
Synonyms	F12; coagulation factor XII (Hageman factor); coagulation factor XII; factor XII; hageman factor; HAF; FXII;
Gene ID	58992
mRNA Refseq	NM_021489
Protein Refseq	NP_067464
UniProt ID	Q80YC5

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