

Recombinant Rat F2 protein, His-tagged

Cat. No. F2-700R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat F2 aa. (Ala44~Arg323) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala44~Arg323
Description	Catalyzes the preferential cleavage of Arg-Gly; activates fibrinogen to fibrin and releases fibrinopeptides A and B; involved in blood coagulation and wound repair.
Form	Freeze-dried powder
Molecular Mass	40kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.1.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.

Concentration

200g/mL

Storage buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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

F2 coagulation factor II [*Rattus norvegicus* (Norway rat)]

Official Symbol

F2

Synonyms

F2; coagulation factor II; prothrombin; coagulation factor 2; thrombin

Gene ID

29251

mRNA Refseq

NM_022924.2

Protein Refseq

NP_075213.2

UniProt ID

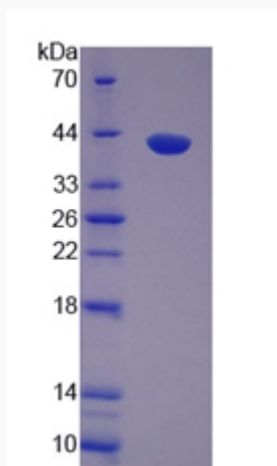
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SDS-PAGE



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