

Recombinant Rat F10 Protein, His-tagged

Cat. No. F10-908R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat F10 Protein (Gly21-Tyr482) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly21-Tyr482
Description	Predicted to enable phospholipid binding activity and serine-type endopeptidase activity. Involved in blood coagulation. Located in endoplasmic reticulum and membrane. Used to study hyperhomocysteinemia. Human ortholog(s) of this gene implicated in breast cancer and factor X deficiency. Orthologous to human F10 (coagulation factor X).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.8 kDa; Accurate Molecular Mass: 70 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

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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

F10 coagulation factor X [*Rattus norvegicus* (Norway rat)]

Official Symbol

F10

Synonyms

F10; coagulation factor X; stuart factor; coagulation factor 10; MGC108722;

Gene ID

29243

mRNA Refseq

NM_017143

Protein Refseq

NP_058839

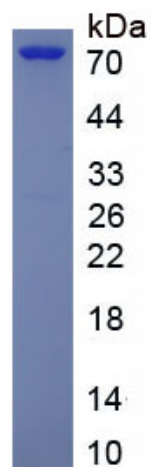
UniProt ID

Q63207

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