

Recombinant Rat F5 Protein, His-tagged

Cat. No. F5-910R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat F5 Protein (Cys1944-Cys2099) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Cys1944-Cys2099
Description	Predicted to enable oxidoreductase activity. Involved in blood coagulation and response to vitamin K. Located in Golgi apparatus; endoplasmic reticulum; and extracellular space. Used to study membranoproliferative glomerulonephritis. Biomarker of hepatitis and portal hypertension. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); end stage renal disease; factor V deficiency; liver disease (multiple); and non-arteritic anterior ischemic optic neuropathy. Orthologous to human F5 (coagulation factor V).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.7 kDa; Accurate Molecular Mass: 20 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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 PBS or others.
GENE INFORMATION	
Gene Name	F5 coagulation factor V (proaccelerin, labile factor) [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	F5
Synonyms	F5; coagulation factor V (proaccelerin, labile factor); coagulation factor V; Ac2-120;
Gene ID	304929
mRNA Refseq	NM_001047878
Protein Refseq	NP_001041343
UniProt ID	Q7TPK2

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