

## Recombinant Rat F5 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat F5 Protein (Cys1944-Cys2099) with His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Cys1944-Cys2099
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 21.7 kDa; Accurate Molecular Mass: 20 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

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

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