

## Recombinant Human F5 protein, His-tagged

Cat. No. F5-768H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human F5 aa. (Arg1908~Val2203 (Accession # P12259)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg1908~Val2203
<b>Description</b>	<p>This gene encodes an essential cofactor of the blood coagulation cascade. This factor circulates in plasma, and is converted to the active form by the release of the activation peptide by thrombin during coagulation. This generates a heavy chain and a light chain which are held together by calcium ions. The activated protein is a cofactor that participates with activated coagulation factor X to activate prothrombin to thrombin. Defects in this gene result in either an autosomal recessive hemorrhagic diathesis or an autosomal dominant form of thrombophilia, which is known as activated protein C resistance.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35.5kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 5.3.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<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°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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	F5 coagulation factor V [ Homo sapiens (human) ]
<b>Official Symbol</b>	F5
<b>Synonyms</b>	FVL; PCCF; THPH2; RPRGL1; activated protein c cofactor; coagulation factor V (proaccelerin, labile factor); coagulation factor V jinjiang A2 domain; factor V Leiden; coagulation factor V
<b>Gene ID</b>	2153
<b>mRNA Refseq</b>	NM_000130.4
<b>Protein Refseq</b>	NP_000121.2

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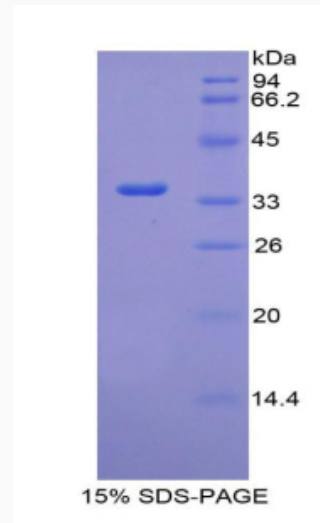
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UniProt ID

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SDS-PAGE



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