

Recombinant Rat F7 Protein, His&GST-tagged

Cat. No. F7-911R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat F7 Protein (Ile194-Leu446) with His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile194-Leu446
Description	Enables endopeptidase activity and signaling receptor binding activity. Involved in several processes, including response to anticoagulant; response to peptide hormone; and response to thyroxine. Located in extracellular space and vesicle. Used to study asthma; diabetes mellitus; and type 2 diabetes mellitus. Biomarker of several diseases, including bilirubin metabolic disorder; familial hyperlipidemia; hypertension; hypothyroidism; and prothrombin deficiency. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); cerebral infarction; diabetes mellitus (multiple); factor VII deficiency; and obesity. Orthologous to human F7 (coagulation factor VII).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.0 kDa; Accurate Molecular Mass: 61 kDa
Purity	> 80%

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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 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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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	F7 coagulation factor VII (serum prothrombin conversion accelerator) [Rattus norvegicus (Norway rat)]
Official Symbol	F7
Synonyms	F7; coagulation factor VII (serum prothrombin conversion accelerator); coagulation factor VII; serum prothrombin conversion accelerator;
Gene ID	260320
mRNA Refseq	NM_152846
Protein Refseq	NP_690059

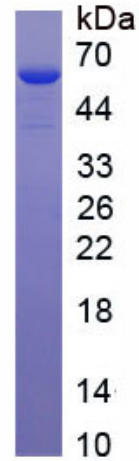
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UniProt ID

Q8K3U6



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