

## Recombinant Rat Klkb1 Protein, His-tagged

**Cat. No.** Klkb1-2757R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Klkb1 Protein (Asn68-Pro255) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn68-Pro255
<b>Description</b>	Predicted to enable serine-type endopeptidase activity. Involved in liver regeneration. Located in extracellular space. Used to study inflammatory bowel disease. Biomarker of liver cirrhosis. Human ortholog(s) of this gene implicated in lupus nephritis and systemic lupus erythematosus. Orthologous to human KLKB1 (kallikrein B1).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 24.7 kDa Accurate Molecular Mass: 27 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<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

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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**

Klkb1 kallikrein B1 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Klkb1

**Synonyms**

Klkb1; kallikrein B1; PK; Klk3; Kalp1; KALP15; plasma kallikrein; fletcher factor; kallikrein B, plasma 1; kininogenin; plasma prekallikrein; EC 3.4.21.34

**Gene ID**

25048

**mRNA Refseq**

NM\_012725

**Protein Refseq**

NP\_036857

**UniProt ID**

Q5FVS2

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