

Recombinant Rat Klk1 protein, His-tagged

Cat. No. Klk1-5679R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Klk1 aa. (Pro2~Glu86) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Pro2~Glu86
Description	Serine protease; involved in processing of bioactive peptides.
Form	Freeze-dried powder
Molecular Mass	14kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
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°C for 48h,

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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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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	Klk1 kallikrein 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Klk1
Synonyms	Klk1; kallikrein 1; Kal; KALA; Klk5; Klk7; Klk1l; Klna3; RGK-7; Klk1c7; RSKG-7; RATKALA; Kallikrein 1, renal/pancreas/salivary; esterase B; glandular kallikrein-7, submandibular/renal; kallikrein 1-like peptidase; kallikrein 1-related peptidase C7; kallikrein 5; kallikrein 7; kallikrein a3; kallikrein-related protein K1; proteinase A; renal kallikrein; tissue kallikrein
Gene ID	24523
mRNA Refseq	NM_012593.1
Protein Refseq	NP_036725.1

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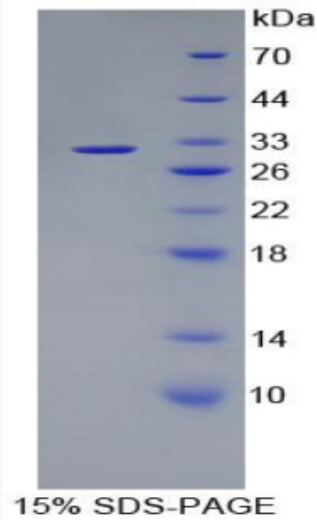
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UniProt ID

P36373

SDS-PAGE



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