

## Recombinant Rat Klk10 Protein, His-tagged

Cat. No. Klk10-2370R    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Klk10 Protein (Val25-Thr420) with a N-His tag was expressed in 293F.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Val25-Thr420
<b>Description</b>	Predicted to enable serine-type endopeptidase activity. Predicted to be involved in regulation of systemic arterial blood pressure and zymogen activation. Predicted to be active in secretory granule. Human ortholog(s) of this gene implicated in prostate cancer. Orthologous to human KLK10 (kallikrein related peptidase 10).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 48.6 kDa Accurate Molecular Mass: 49 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 90%
<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>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Klk10 kallikrein related-peptidase 10 [ Rattus norvegicus (Norway rat) ]
<b>Official Symbol</b>	Klk10
<b>Synonyms</b>	Klk10; kallikrein related-peptidase 10; Klkj; kallikrein-10 kallikrein j EC 3.4.21.35
<b>Gene ID</b>	292850
<b>mRNA Refseq</b>	NM_001004100
<b>Protein Refseq</b>	NP_001004100
<b>UniProt ID</b>	Q6IE55

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