

Recombinant Rat Klk10 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Klk10 Protein (Val25-Thr420) with a N-His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Val25-Thr420
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.6 kDa Accurate Molecular Mass: 49 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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