

## Recombinant Human KLK2 Protein, His-tagged

**Cat. No.** KLK2-2371H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KLK2 Protein (EQKLISEEDL+Pro19-Pro261) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	EQKLISEEDL+Pro19-Pro261
<b>Description</b>	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 30.6 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).

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<b>Purity</b>	> 90%
<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 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>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	KLK2 kallikrein-related peptidase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KLK2
<b>Synonyms</b>	KLK2; kallikrein-related peptidase 2; kallikrein 2, prostatic; kallikrein-2; tissue kallikrein-2; glandular kallikrein 2; glandular kallikrein-1; hK2; hGK-1; KLK2A2; FLJ17010; FLJ17011; MGC12201;
<b>Gene ID</b>	3817
<b>mRNA Refseq</b>	NM_001002231
<b>Protein Refseq</b>	NP_001002231

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<b>MIM</b>	147960
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<b>UniProt ID</b>	P20151
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