

## Recombinant Human KLK3 Protein, His-tagged

**Cat. No.** KLK3-917H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KLK3(Ala18-Pro261), transcript variant 3, fused with His tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	18-261 a.a.
<b>Description</b>	<p>Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms.</p>
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM MES, 150mM NaCl, 2mM CaCl <sub>2</sub> , pH 6.0. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>Molecular Mass</b>	27.9 kDa

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<b>Endotoxin</b>	< 0.1 EU per g protein as determined by LAL test
<b>Purity</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	Resuspend the protein to the desired concentration in proper buffer.

## GENE INFORMATION

<b>Gene Name</b>	KLK3 kallikrein-related peptidase 3 [ Homo sapiens ]
<b>Official Symbol</b>	KLK3
<b>Synonyms</b>	KLK3; kallikrein-related peptidase 3; APS, kallikrein 3, (prostate specific antigen); prostate-specific antigen; PSA; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen; APS; hK3; KLK2A1;
<b>Gene ID</b>	354
<b>mRNA Refseq</b>	NM_001030047
<b>Protein Refseq</b>	NP_001025218
<b>MIM</b>	176820
<b>UniProt ID</b>	P07288

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