

Active Recombinant Human KLK3 protein, His-tagged, Low Endotoxin

Cat. No. KLK3-6969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK3 protein(P07288-1)(Ile25-Pro261), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-261 aa
Form	Lyophilized from 0.22 µm filtered solution in 50mM Tris, 150mM NaCl, 0.05% Brij-35 (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Kallikrein 3, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Kallikrein 3 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 27.7 kDa. Due to glycosylation, the protein migrates to 31-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [KLK3 kallikrein-related peptidase 3 \[Homo sapiens \]](#)

Official Symbol [KLK3](#)

Synonyms 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;

Gene ID [354](#)

mRNA Refseq [NM_001030047](#)

Protein Refseq [NP_001025218](#)

MIM [176820](#)

UniProt ID [P07288](#)

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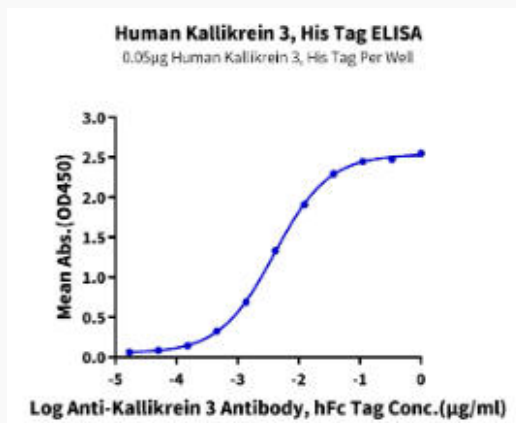
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Bis-Tris PAGE



ELISA Data



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