

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

**Cat. No.** KLK3-01H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KLK3 protein(P07288-1)(Ala18-Pro261), fused with C-terminal His tag, was expressed in HEK293.                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 18-261 aa                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                           |
| <b>Bio-activity</b>     | 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 3.9ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 27.93 kDa. Due to glycosylation, the protein migrates to 32-38 kDa based on Bis-Tris PAGE result.                                                       |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                               |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                         |
| <b>Storage</b>          | 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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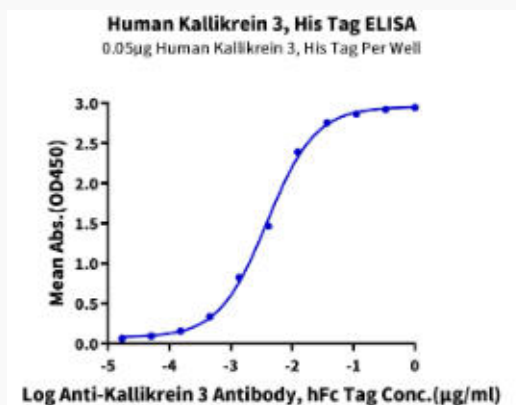
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## Bis-Tris PAGE



## ELISA Data



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