

Human Kallikrein 3/PSA Protein

Cat. No. KLK-HM103

Description

| | |
|-------------------------|---|
| Source | Recombinant Human Kallikrein 3/PSA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala18-Pro261. |
| Accession | P07288-1 |
| Molecular Weight | The protein has a predicted MW of 27.93 kDa. Due to glycosylation, the protein migrates to 32-38 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

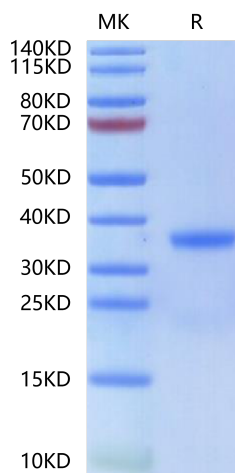
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Kallikrein-related peptidase 3 (KLK3), also known as prostate-specific antigen (PSA), is the most useful biomarker for prostate cancer (PCa). KLK3 is suggested to play a role in regulating cancer growth through anti-angiogenic activity in vivo and in vitro.

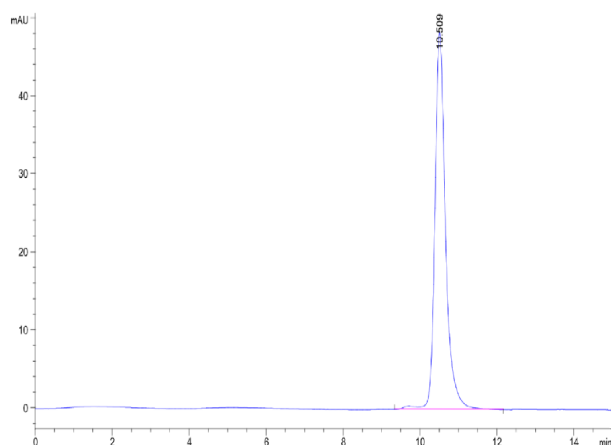
Assay Data

Tris-Bis PAGE



Human Kallikrein 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Kallikrein 3 is greater than 95% as determined by SEC-HPLC.