

Active Recombinant Human KLK3 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human KLK3 protein(P07288)(Met1-Pro261), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro261
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave the colorimetric peptide substrate, Succinyl-Arg-Pro-Tyr-p-Nitroanilide(Suc-RPY-pNA). The specific activity is >100 pmoles/min/µg.(Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)
Molecular Mass	The recombinant human KLK3 consists of 255 amino acids and has a predicted molecular mass of 28.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh KLK3 is approximately 35 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

1/2

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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2/2

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