# Human KLK3 (His Tag) recombinant protein

Catalog Number: 500861



## **General Information**

#### **Gene Name Synonym**

Gamma-seminoprotein; Kallikrein-3; P-30 antigen; Semenogelase

#### **Protein Construction**

A DNA sequence encoding the human KLK3 (P07288) (Met 1-Pro 261) was fused with a polyhistidine tag at the C-terminus.

## **Organism**

Human

## **Expression Host**

**Human Cells** 

## **QC Testing**

## **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.

#### **Purity**

> 95 % as determined by SDS-PAGE

### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70 °C

#### **Predicted N terminal**

Ala 18

#### **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.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

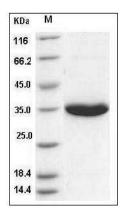
## **Storage**

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human KLK3 / PSA / Kallikrein-3 Protein (His Tag) SDS-PAGE