

# Human KLK7/Kallikrein 7 (PRSS6) (His Tag) recombinant protein



Catalog Number: 501078

## General Information

### Protein Construction

A DNA sequence encoding the human KLK7 (NP\_005037.1) extracellular domain (Met 1-Arg 253) was expressed, with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK (Dnp) NH<sub>2</sub>, R&D Systems, Catalog # ES002. The specific activity is >150 pmoles/min/μg.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg 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

Glu 23

### Molecular Mass

The secreted recombinant human KLK7 comprises 242 amino acids and has a predicted molecular mass of 26.7 kDa. As a result of glycosylation, the apparent molecular mass of rh KLK7 is approximately 30-33 kDa in SDS-PAGE under reducing conditions.

### 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

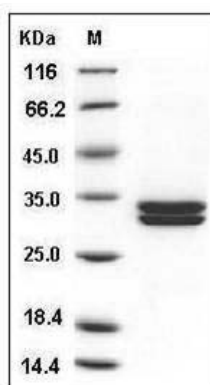
### Storage

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 KLK7 / PRSS6 Protein (His Tag) SDS-PAGE