

## Active Recombinant Human KLK4 protein, His-tagged

Cat. No. KLK4-1169H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KLK4 protein(NP_004908.3)(Met1-Ser254), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser254
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >250 pmoles/min/μg.(Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)
<b>Molecular Mass</b>	The secreted recombinant human KLK4 consists of 239 amino acids and predicts a molecular mass of 25.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhKLK4 is approximately 30-35 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method
<b>Purity</b>	> 94 % as determined by SDS-PAGE
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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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** [KLK4 kallikrein-related peptidase 4 \[ Homo sapiens \]](#)

**Official Symbol** [KLK4](#)

**Synonyms**

KLK4; kallikrein-related peptidase 4; kallikrein 4 (prostase, enamel matrix, prostate) , PRSS17; kallikrein-4; EMSP; EMSP1; KLK L1; PSTS; prostase; serine protease 17; kallikrein-like protein 1; androgen-regulated message 1; enamel matrix serine protease 1; enamel matrix serine proteinase 1; ARM1; AI2A1; KLK-L1; PRSS17; kallikrein; MGC116827; MGC116828;

**Gene ID** [9622](#)

**mRNA Refseq** [NM\\_004917](#)

**Protein Refseq** [NP\\_004908](#)

**MIM** [603767](#)

**UniProt ID** [Q9Y5K2](#)

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