

Recombinant Human KLK7 protein(Met1-Arg253), His-tagged

Cat. No. KLK7-893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK7 (NP_005037.1) (Met 1-Arg 253) was expressed in HEK293, with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-253 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK (Dnp) NH ₂ . The specific activity is >150 pmoles/min/μg.(Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)
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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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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 [KLK7 kallikrein-related peptidase 7 \[Homo sapiens \]](#)

Official Symbol [KLK7](#)

Synonyms KLK7; kallikrein-related peptidase 7; kallikrein 7 (chymotryptic, stratum corneum) , PRSS6; kallikrein-7; SCCE; signal protein; serine protease 6; stratum corneum chymotryptic enzyme; kallikrein 7 (chymotryptic, stratum corneum); hK7; PRSS6;

Gene ID [5650](#)

mRNA Refseq [NM_001243126](#)

Protein Refseq [NP_001230055](#)

MIM [604438](#)

UniProt ID [P49862](#)

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