

Active Recombinant Human KLK5 protein, His-tagged, Low Endotoxin

Cat. No. KLK5-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK5 protein(Q9Y337)(Ile67-Ser293), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	67-293 aa
Form	Lyophilized from 0.22µm filtered solution in 50mM MES, 150mM NaCl (pH 5.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Kallikrein 5, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Kallikrein 5 Antibody, hFc Tag with the EC50 of 3.7ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 30.7 kDa. Due to glycosylation, the protein migrates to 42-48 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [KLK5 kallikrein-related peptidase 5 \[Homo sapiens \]](#)

Official Symbol [KLK5](#)

Synonyms KLK5; kallikrein-related peptidase 5; kallikrein 5; kallikrein-5; KLK L2; SCTE; kallikrein-like protein 2; stratum corneum tryptic enzyme; KLKL2; KLK-L2;

Gene ID [25818](#)

mRNA Refseq [NM_001077491](#)

Protein Refseq [NP_001070959](#)

MIM [605643](#)

UniProt ID [Q9Y337](#)

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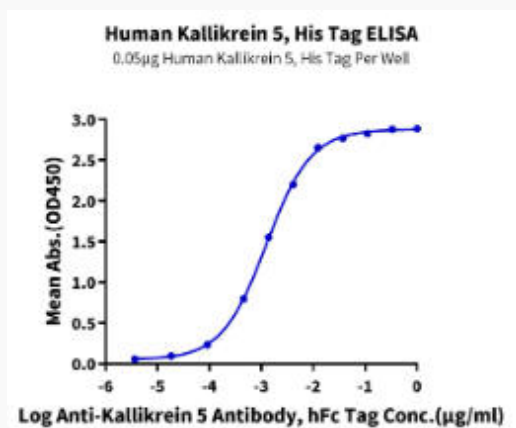
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Bis-Tris PAGE



ELISA Data



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