Active Recombinant Human KLK7 protein, His-Flag-tagged, Low Endotoxin

Cat. No. KLK7-3594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK7 protein(P49862-1)(Glu23-Arg253), fused with C-terminal His and Flag tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-253 aa
Form	Lyophilized from 0.22 μm filtered solution in 20mM HEPES, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Kallikrein 7, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-Kallikrein 7 Antibody, hFc Tag with the EC50 of 2.6ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 27.29 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 90% 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	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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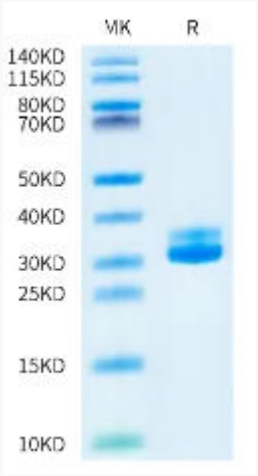
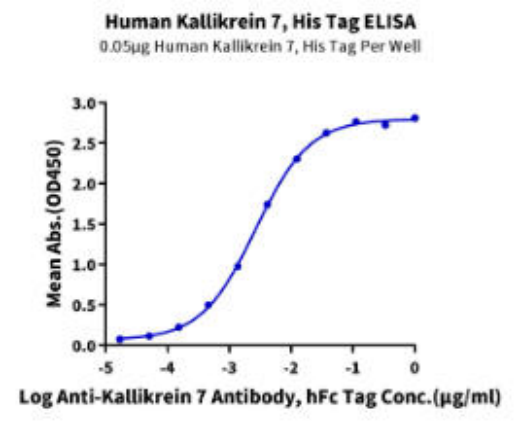
Bis-Tris PAGE	
ELISA Data	

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