

Active Recombinant Human KLK4 protein, His-tagged, Low Endotoxin

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

SPECIFICATION

Product Overview	Low Endotoxin Active Recombinant Human KLK4 protein(Q9Y5K2-1)(Ile31-Ser254) is expressed from HEK293 with His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	31-254 aa
Form	Lyophilized from 0.22 µm filtered solution in 20mM HEPES, 150mM NaCl, 8% trehalose, 0.05% Brij-35, 5mM Benzamidine (pH 7.5).
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >1200 pmol/min/µg.
Molecular Mass	The protein has a predicted MW of 25.61 kDa. Due to glycosylation, the protein migrates to 27-37 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE > 90% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal

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storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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](#)

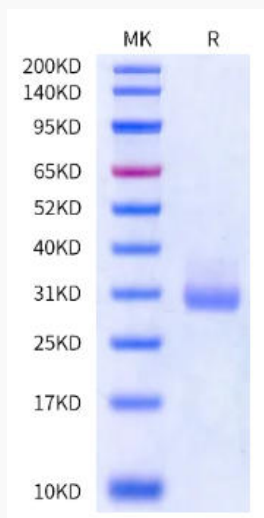
MIM [603767](#)

UniProt ID [Q9Y5K2](#)

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Bis-Tris PAGE

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