

Active Recombinant Human KLK12 protein, His-tagged, Low Endotoxin

Cat. No. KLK12-1977H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK12 protein(Q9UKR0-1)(Ile22-Asn248), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-248 aa
Form	Lyophilized from 0.22 µm filtered solution in 20mM NaAC, 150mM NaCl, 8% trehalose, 0.05% Brij 35, 10mM Benzamidine (pH 5.0).
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >15000 pmol/min/µg.
Molecular Mass	The protein has a predicted MW of 26.18 kDa. Due to glycosylation, the protein migrates to 35-45 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
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities

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for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [KLK12 kallikrein-related peptidase 12 \[Homo sapiens \]](#)

Official Symbol [KLK12](#)

Synonyms KLK12; kallikrein-related peptidase 12; kallikrein 12; kallikrein-12; KLK L5; kallikrein-like protein 5; KLKL5; KLK-L5; MGC42603; DKFZp686H1078;

Gene ID [43849](#)

mRNA Refseq [NM_019598](#)

Protein Refseq [NP_062544](#)

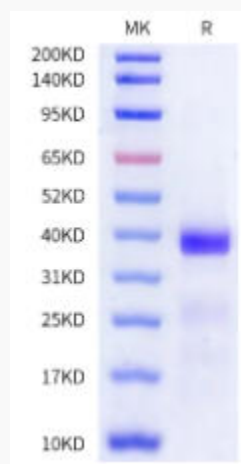
MIM [605539](#)

UniProt ID [Q9UKR0](#)

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Bis-Tris PAGE

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