

Active Recombinant Human KLK1 protein, His-tagged

Cat. No. KLK1-299H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK1 protein(Met1-Ser262), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-262 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave a flourogenic peptide substrate Pro-Phe-Arg-7-amid o-4-methylcoumarin (PFR-AMC). The specific activity is >9209 pmol/min/µg.
Molecular Mass	29.73 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL

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in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

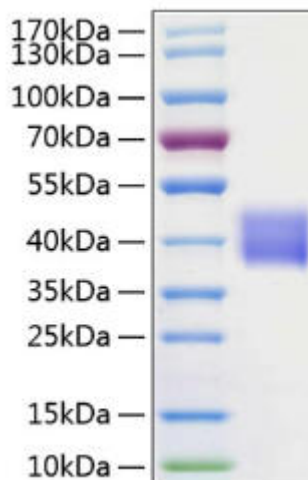
Gene Name	KLK1 kallikrein 1 [Homo sapiens]
Official Symbol	KLK1
Synonyms	KLK1; kallikrein 1; kallikrein 1, renal/pancreas/salivary; kallikrein-1; Klk6; tissue kallikrein; glandular kallikrein 1; kallikrein serine protease 1; kidney/pancreas/salivary gland kallikrein; hK1; KLKR;
Gene ID	3816
mRNA Refseq	NM_002257
Protein Refseq	NP_002248
UniProt ID	P06870

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SDS-PAGE



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