Active Recombinant Human KLKB1 protein, His-tagged, Low Endotoxin

Cat. No. KLKB1-485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLKB1 protein(P03952)(Gly20-Ala638), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-638 aa
Form	Lyophilized from 0.22μm filtered solution in 20mM NaAc,150mM NaCl (pH 5.0). Normally 8% trehalose is added as protectant before lyophilization.
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 > 1000 pmol/min/μg.
Molecular Mass	The protein has a predicted MW of 70.3 kDa. Due to glycosylation, the protein migrates to 72-80 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 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	KLKB1 kallikrein B, plasma (Fletcher factor) 1 [Homo sapiens]
Official Symbol	KLKB1
Synonyms	KLKB1; kallikrein B, plasma (Fletcher factor) 1; KLK3; plasma kallikrein; kininogenin; Fletcher factor; plasma prekallikrein; plasma kallikrein heavy chain; plasma kallikrein light chain; PPK;
Gene ID	3818
mRNA Refseq	NM_000892
Protein Refseq	NP_000883
MIM	229000
UniProt ID	P03952

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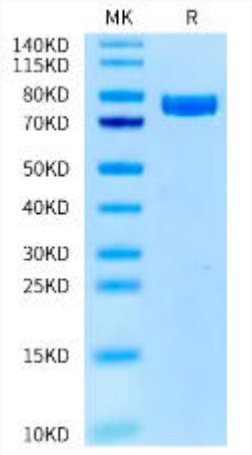
Bis-Tris PAGE	

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