

Active Native Human Kallikrein

Cat. No. KLKB1-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified Native Human Urine Kallikrein. CAS Number: 9001-01-8; E.C. Number: 3.4.21.35
Species	Human
Source	Human Urine
Description	Human Kallikrein protein, also known as Urokallikrein, is an enzyme present in blood plasma, lymph, urine, saliva, pancreatic juices, and other body fluids that catalyzes the proteolysis of bradykininogen to bradykinin. Also called kininogenase. Kallikrein is the target of an active investigation by drug researchers as possible bio-marker for cancer.
Form	Liquid in proprietary buffer
Bio-activity	>10 pNA units/mL
Molecular Mass	44000
Purity	>99% (SDS-PAGE)
Unit Definition	One unit will hydrolyze 1.0 umole of H-D-Val-Leu-Arg-pNA(S-2266) per minute at pH 8.0 at 37C
Storage	Store at 2-8 °C.

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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
Chromosome Location	4q35
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;
Function	peptidase activity; protein binding; serine-type endopeptidase activity;

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