Product Name: Recombinant Human KLK1 (C-6His)
Catalog #: PHH1028

Summary

Name	Kallikrein 1/KLK1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Kallikrein 1 is produced by our Mammalian expression system and the target gene encoding Pro19-Ser262 is expressed with a 6His tag at the C-terminus.
Accession #	AAH05313.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	28.15 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 2mM CaCl2, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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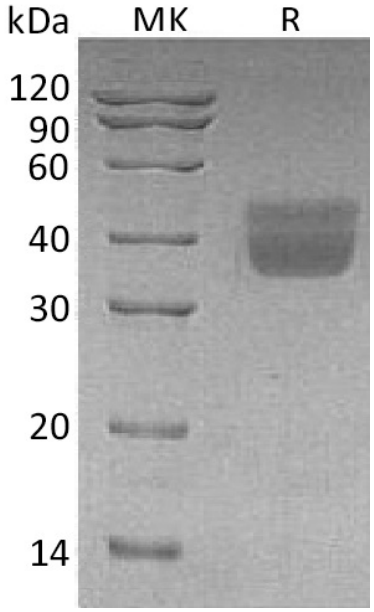

Alternative Names

Kallikrein-1; Kidney/Pancreas/Salivary Gland Kallikrein; Tissue Kallikrein; KLK1

Background

Kallikrein-1 (KLK1) is a member of human tissue Kallikrein family. Human KLK1 precursor contains a singal peptide (residues 1 to 18), a short pro peptide (residues 19 to 24) and a mature chain (residues 25 to 262). The function of KLK1 is to cleave Kininogen in order to release the vasoactive Kinin peptide (Lysyl-Bradykinin or Bradykinin). The Kinin peptide controls blood pressure reduction, vasodilation, smooth muscle relaxation and contraction, pain induction and inflammation. KLK1 also plays a role in angiogensis and tumorigenesis.

Note

For Research Use Only , Not for Diagnostic Use.