

**Recombinant Human Kallikrein 1/KLK1 Protein(C-6His)**

**Cat.NO.: TP04682**

3th Edition

**Synonyms:**Kallikrein-1; Kidney/Pancreas/Salivary Gland Kallikrein; Tissue Kallikrein; KLK1

**Description:**Kallikrein-1 (KLK1) is a member of human tissue Kallikrein family. Human KLK1 precursor contains a signal 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 angiogenesis and tumorigenesis.

**Form:**PBS

**Molecular Weight:**28.2 kDa

**Sequences:**Pro19-Ser262

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.