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32-7435: Recombinant Human Kallikrein 1/KLK1 (C-6His)

Gene : KLK1
Gene ID : 3816
Uniprot ID : P06870

Description

Source: Human Cells.
MW :28.15kD.
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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 2mM CaCl2, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : PPIQSRIVGGWECEQHSQPWQAALYHFSTFQCGGILVHRQWVLTAAHCISDNYQLWLGRHNLFDDENTAQFV HVSESFPHPGFNMSLLENHTRQADEDYSHDLMLLRLTEPADTITDAVKVVELPTQEPEVGSTCLASGWGSIEPE NFSFPDDLQCVDLKILPNDECKKVHVQKVTDFMLCVGHLEGGKDTCVGDSGGPLMCDGVLQGVTSWGYVPC GTPNKPSVAVRVLSYVKWIEDTIAENSVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.