

32-2485: KLK7 Recombinant Protein

Alternative Name : kallikrein-related peptidase 7,SCCE,hSCCE,EC 3.4.21.117,hK7,Kallikrein-7,PRSS6,KLK7.

Description

Source : Escherichia Coli. KLK7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 249 amino acids (30-253) and having a molecular mass of 27.1 kDa. The KLK7 is fused to a 25 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. KLK7 catalyzes the degradation of intercellular cohesive structures in the cornified layer of the skin in the continuous shedding of cells from the skin surface. Specific for amino acid residues with aromatic side chains in the P1 position. KLK7 cleaves insulin B chain at "6-Leu- -Cys-7", "16-Tyr- -Leu-17", "25-Phe- -Tyr-26" and "26-Tyr--Thr-27". KLK7 is involved in the activation of precursors to inflammatory cytokines.

Product Info

Amount : 20 µg

Purification : Greater than 90.0% as determined by Analysis by SDS-PAGE.

Content : KLK7 protein 1mg/ml is supplied in 20mM Tris-HCl, pH-8, 2M Urea and 10% Glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSBMIIDGA PCARGSHPWQ VALLSGNQLH CGGVLVNERW
VLTAACHCKMN EYTVHLGSDT LGDRRAQRIK ASKSFHPGY STQTHVNDLM LVKLNSQARL SSMVKKVRLP
SRCEPPGTTC TVSGWGTTTS PDVTFPSDLM CVDVKLISPQ DCTKVYKDLL ENSMLCAGIP DSKKNACNGD
SGGPLVCRGT LQGLVSWGTF PCGQPNDPGV YTVCKFTKW INDTMKKHR.

