

## 32-6817: KLK7 Human, sf9

**Alternative Name :** Kallikrein Related Peptidase 7, Kallikrein 7 (Chymotryptic, Stratum Corneum), Stratum Corneum Chymotryptic Enzyme, Serine Protease 6, PRSS6, SCCE, HK7, Kallikrein-Related Peptidase 7, Signal Protein, EC 3.4.21.117, EC 3.4.21, HSCCE.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

KLK7 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 190 amino acids (1-181 a.a.) and having a molecular mass of 20.9kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).Å

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** KLK7 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) 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 :** ADPMNEYTVH LGSDTLGDRR ARIKASKSF RHPGYSTQTH VNDLMLVKLN SQARLSSMVK KVRLPSCRCEP PGTCTVSGW GTTSPDVTF PSDLMCVDVK LISPQDCTKV YKDLENSML CAGIPDSKKK ACNGDGGGPL VCRGTLQGLV SWGTFFCGQP NDPGVYTQVC KFTKWINDTM KKHRHHHHHH.