

## KLK7 Human

**Description:** 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.

Catalog #: ENPS-517

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMMIDGA PCARGSHPWQ  
VALLSGNQLH CGGVLVNERW VLTAHCKMN EYTVHLGSDT LGDRRAQRIK ASKFRHPGY  
STQTHVNDLM LVKLNSQARL SSMVKKVRLP SRCEPPGTTC TVSGWGTTTS PDVTFPSDLM  
CVDVKLISPQ DCTKVYKDLL ENSMLCAGIP DSKKNACNGD SGGPLVCRGT LQGLVSWGTF  
PCGQPNDPGV YT

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

**Formulation:**

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

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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