

KLK7, 1-181aa, Human, His tag, Baculovirus

Cat.NO.: TP02751

3th Edition

Synonyms:Kallikrein-7 isoform 2, KLK7, hK7, PRSS6, SCCE

Description:KLK7, as known as kallikrein-7 isoform 2, is a secreted protein which belongs to the peptidase S1 family and kallikrein subfamily. Members of the kallikrein family are involved in various malignancies such as prostate (PSA, KLK2, KLK15), ovarian (KLK4, KLK5, KLK6, KLK8, KLK10), and breast cancer (KLK10, KLK13, LKL14). This protein is expressed in the skin, a major physiological function of KLK7 is to regulate the desquamation process through proteolysis of the intercellular adhesive structure between corneocytes. Recombinant human KLK7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:20.9kDa (190aa); 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPMNEYTVHLGSDTLGDRRAQRIKASKSFRHPGYSTQTHVNDLMLVKLNSQARLSSMVKKVRLPSRCEPPGTTTC
TVSGWGTTTTSPDVTFPSDLMCVDVKLISPQDCTKVYKDLENSMLCAGIPDSKKNACNGDSGGPLVCRGTLQGLV
SWGTFPCGQPNDPGVYTQVCKFTKWINDTMKKHRHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.