

**KLK7, 30-253aa, Human, His tag, E.coli**

**Cat.NO.: TP02752**

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3th Edition

**Synonyms:**kallikrein-7, hK7, PRSS6, SCCE.

**Description:**KLK7 is a member of the kallikrein subfamily of serine proteases. These enzymes have diverse physiological functions and many kallikreins are biomarkers for cancer. The protein has chymotrypsin-like activity and plays a role in the proteolysis of intercellular cohesive structures that precedes desquamation, the shedding of the outermost layer of the epidermis. KLK7 may play a role in cancer invasion and metastasis, and increased expression of this protein is associated with unfavorable prognosis and progression of several types of cancer.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M UREA, 10% glycerol

**Molecular Weight:**27.1 kDa (249aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMIIDGAPCARGSHPWQVALLSGNQLHCGGVLVNERWVLTA AHCKMNEYT  
VHLGSDTLGDRRAQRIKASKSFRHPGYSTQTHVNDLMLVKLNSQARLSSMVKKVRLPSRCEPPGTTCTVSGWGTT  
TSPDVTFPDLMCVDVKLISPQDCTKVYKDLENSMLCAGIPDSKKNACNGDSGGPLVCRGTLQGLVSWGTFPCG  
QPNDPGVYTQVCKFTKWINDTMKKHR

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml

**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.