

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

Cat.NO.: TP02752

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:

MGSSHHHHHSSGLVPRGSHMGSHMIIDGAPCARGSHPWQVALLSGNQLHCGGVLVNERWVLTAAHCKMNEYT
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.