

AR50561PU-S**Human KLK7 / Kallikrein-7 (30-253, His-tag) - Purified**

Alternate names:	PRSS6, SCCE, Serine protease 6, Stratum corneum chymotryptic enzyme, hK7
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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. Polymorphisms in this gene may play a role in the development of atopic dermatitis.
Uniprot ID:	P49862
NCBI:	NP_005037
GeneID:	5650
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2M UREA, 10% glycerol
Description:	Recombinant human KLK7 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SGLVPRGSH MGSMMIDGA PCARGSHPWQ VALLSGNQLH CGGVLVNERW VLTAAHCKMN EYTVHLGSDT LGDRRAQRIK ASKSFRRHPGY STQTHVNDLM LVKLNQARL SSMVKKVRLP SRCEPPGTTC TVSGWGTTS PDVTFPSDLM CVDVKLISPQ DCTKVYKDLL ENSMLCAGIP DSKKNACNGD SGGPLVCRGT LQGLVSWGTF PCGQPNDPGV YTVQVCKFTKW INDTMKKHR Molecular weight: 27.1 kDa (249aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Talieri, M., et al. (2011) Anticancer Res. 31 (9), 3093-3100 Ramani, V.C., et al. (2011) Biochim. Biophys. Acta 1813 (8), 1525-1531

Pictures:

