

AR50590PU-N**Human KLK1 / Kallikrein-1 (25-262, His-tag) - Purified**

Alternate names:	EC 3.4.21.35, KLK-1, Kallikrein1, Kidney/pancreas/salivary gland kallikrein, Tissue kallikrein
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	Kallikrein-1, also known as KLK1, belongs to the Kallikrein subfamily. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen.
Uniprot ID:	P06870
NCBI:	NP_002248.1
GeneID:	3816
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 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human KLK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SGLVPRGSH MIVGGWECEQ HSQPWQAALY HFSTFQCGGI LVHRQWVLTA AHCISDNYQL WLGRHNLFD D ENTAQFVHVS ESFPHPGFNM SLLFNHTRQA DEDYSHDLML LRLTEPADTI TDAVKVVELP TQEPVVGSTC LASGWGSIEP ENFSFPDDLQ CVDLKILPND ECKKVHVQKV TDFMLCVGHL EGGKDTCVGD SGGPLMCDGV LQGVTSWGYV PCGTPNKPSV AVRVLSYVKW IEDTIAENS Molecular weight: 28.7 kDa (259aa) confirmed by MALDI-TOF
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:	Lu H.S., et al. (1989) Int. J. Pept. Protein Res. 33:237-249 Kellermann J., et al. (1988) Protein Seq. Data Anal. 1:177-182

Pictures:

