

Product datasheet for **AR50390PU-N**

Kallikrein-3 / PSA / KLK3 (25-261, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Kallikrein-3 / PSA / KLK3 (25-261, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHM>IVGGW ECEKHSQPWQ VLVASRGRAV CGGVLVHPQW VLTAAH CIRN KSVILLGRHS LFHPEDTGQV FQVSHSFPHP LYDMSLLKNR FLRPGDDSSH DLMLLR LSEP AELTDAVKVM DLPTQEPALG TTCYASGWGS IEPEEFLTPK KLQCVDLHVI SNDVCAQVHP QKVTKFMLCA GRWTGGKSTC SGDSGGPLVC NGVLQGITSW GSEPCALPER PSLYTKVWHY RKWIKDTIVA NP
Tag:	His-tag
Predicted MW:	28.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human KLK3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001025218
Locus ID:	354
UniProt ID:	P07288
Cytogenetics:	19q13.33
Synonyms:	APS; hK3; KLK2A1; PSA



[View online »](#)

Summary:

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. The gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. It encodes a single-chain glycoprotein, a protease which is synthesized in the epithelial cells of the prostate gland, and is present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. The serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Dec 2019]

Protein Families:

Druggable Genome, Protease, Secreted Protein

Protein Pathways:

Pathways in cancer, Prostate cancer

Product images: