

## Product datasheet for BA1022

### Kallikrein-3 / PSA / KLK3 (PSA-ACT Complex) Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	Kallikrein-3 / PSA / KLK3 (PSA-ACT Complex) human protein, 50 µg
Species:	Human
Protein Source:	Seminal Fluid
Purity:	>95% purity by SDS Page
Buffer:	Presentation State: Purified State: Liquid purified fraction Buffer System: 10 mM Sodium Acetate, 0.15M Sodium Chloride, pH 5.6, 0.05% (w/v) Sodium Azide
Preparation:	Liquid purified fraction
Note:	Caution: Status: Starting material was tested and found negative for antibodies to HIV and HBsAg. However, all human derived material should be treated as potentially infectious.
Storage:	Store at 2-8°C for up to 3 weeks. For long term storage, aliquot and store at -20°C for up to one year.
RefSeq:	<a href="#">NP_001025218</a>
Locus ID:	354
Cytogenetics:	19q13.33
Synonyms:	Prostate-specific antigen, Semenogelase, Gamma-seminoprotein, P-30 antigen
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


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Protein Pathways: Pathways in cancer, Prostate cancer