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Datasheet for ABIN1880349  
**Free PSA Protein**

### Overview

Quantity: 100 µg

Target: Free PSA (fPSA)

Origin: Human

Source: Human

Protein Type: Native

### Product Details

Purification: Purified

Purity: > 90 % by SDS-PAGE

### Target Details

Target: Free PSA (fPSA)

Alternative Name: Free PSA ([fPSA Products](#))

**Background:** Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein enzyme encoded in humans by the KLK3 gene. PSA is an androgen-regulated serine protease produced by both prostate epithelial cells and prostate cancer (PCa) and is the most commonly used serum marker for cancer. It is a member of the tissue kallikrein family, some of the members of which are also prostate specific. PSA is a major protein in semen, where its function is to cleave semenogelins in the seminal coagulum. PSA is secreted into prostatic ducts as an inactive 244-amino acid proenzyme (proPSA) that is activated by cleavage of seven N-terminal amino acids. Measurement of free versus total PSA can increase specificity for PCa. PSA is also widely used to monitor responses to therapy and is under

## Target Details

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investigation as a therapeutic target.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: 0.01 M PBS (pH 7.4 +/- 0.2)

Preservative: Without preservative

Storage: 4 °C