

# Recombinant Human Kallikrein 3/PSA Protein (His Tag)

RPE8383



## Product Information

<b>Product SKU:</b> RPE8383	<b>Expression Host:</b> Mammalian	<b>Size:</b> 20µg
<b>Tag:</b> C-His	<b>Reactivity:</b> Human	<b>Accession:</b> P07288

## Additional Information

<b>Calculated MW:</b> 28.6 kDa	<b>Observed MW:</b> 35 kDa
<b>Sequence:</b> Met1-Pro261	

## Protein Information

**Background:** KLK3 (Kallikrein Related Peptidase 3) is a Protein Coding gene. 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 that is synthesized in the epithelial cells of the prostate gland and is present in seminal plasma. KLK3, also known as Prostate Specific antigen (PSA), kallikrein-related peptidase 3, Gamma-seminoprotein, is a secreted protein of the glandular kallikrein subfamily of serine proteases. KLK3 contains one peptidase S1 domain. KLK3 is a glycoprotein produced almost exclusively by the prostate gland. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.

**Synonyms:** KLK, Kallikrein, Kallikrein-Related Peptidase, KLK2A, KLK3, APS, KLK2A1, PSA, hK3, Gamma-Seminoprotein, Kallikrein-3, Kallikrein-Related Peptidase 3, P-30 Antigen, Prostate-Specific Antigen, Semenogelase, Seminin, antigen, prostate-specific, APS, Gamma seminoprotein, Gamma-seminoprotein, hK3, Kallikrein 3, Kallikrein related peptidase 3, Kallikrein-3, KLK 3, KLK2A1, Klk3, KLK3, P-30 antigen, P30 antigen, Prostate-specific antigen, Psa, Semenogelase, Seminin

**Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

Contact Details | Dublin, Ireland

Email: [techsupport@assaygenie.com](mailto:techsupport@assaygenie.com) | Web: [www.assaygenie.com](http://www.assaygenie.com)

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**Bio-Activity:**

Not validated for activity

**Storage:**

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.