Recombinant Human Kallikrein 3/PSA Protein (Fc Tag)

RPES8384

Product Information

Product SKU:	RPES8384	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-Fc	**Reactivity**:	Human	**Accession**:	P07288

Additional Information

Calculated MW:	53.6 kDa	**Observed MW:**	60 kDa
Sequence:	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 sµggests 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.

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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.

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