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32-17989: Recombinant Human KLK3 Protein, His Tag

Uniprot ID : P07288
Alternative Name : PSA; Seminin; Kallikrein-3; P-30 antigen; Semenogelase; APS

Description

Molecular Characterization: KLK3(Ala18-Pro261) 6Ã—His tag
Molecular weight: The protein has a predicted molecular mass of 27.7 kDa after removal of the signal peptide. The apparent molecular mass of KLK3-His is approximately 25-35 kDa due to glycosylation.
Description: Recombinant human KLK3 protein with C-terminal 6Ã—His tag
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.

Product Info

Amount :	100 µg / 50 µg
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.