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32-13691: KLK3 Human, Native

Alternative Name : Prostate-specific antigen, PSA, Gamma-seminoprotein, Seminin, Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS, hK3, KLK2A1

Description

Source:Human seminal fluid.
Physical Appearance:Sterile Filtered clear solution.
Biological Activitynull
Kallikrein-3 (KLK3) is a part of the kallikrein-related peptidase family. Kallikreins are a subgroup of serine proteases having various physiological functions. Numerous kallikreins take part in carcinogenesis and some may be prospective cancer and other disease biomarkers. Kallikrein-3 is 1 of the 15 kallikrein subfamily members located in a cluster on chromosome 19 and is a protease present in seminal plasma. KLK3 hydrolyzes semenogelin-1 consequently leading to the liquefaction of the seminal coagulum. KLK3 acts normally in the liquefaction of seminal coagulum, probably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of the KLK3 protein, called PSA in the clinical setting, is beneficial in the diagnosis and monitoring of prostatic carcinoma.
Human Kallikrein-3 produced in Human seminal fluid having a molecular mass of approximately 30kD.

Product Info

Amount :	500 µg / 200 µg
Purification :	Greater than 96.0%.
Storage condition :	Human Kallikrein-3 should be stored at 2-8°C. Do not freeze!

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