

Kallikrein-3 Human

Item Number	rAP-1244
Synonyms	Prostate-specific antigen, PSA, Gamma-seminoprotein, Seminin, Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS, hK3, KLK2A1.
Description	The Human Kallikrein-3 produced from Human Seminal Plasma has a molecular mass of 26.089kDa (calculated without glycosylation) containing 237 amino acid residues.
Uniprot Accesion Number	P07288
Amino Acid Sequence	IVGGWECEKH SQPWQLVVAS RGRAVCGGVL VHPQWVLTAAC HICRNKSIL LGRHSLFHPEDTGQVFQVSH SFPHPLYDMS LLKNRFLRPG DDSSHDLMLL RLSEPAELTD AVKVMLPTQ EPALGTTT-CYA SGWGSIEPEEE FLTPKKLQCV DLHVISNDVC AQVHPQKVTK FMLCAGRWTG GKSTCSGDSGGPLVCNGVLQ GITSWGSEPC ALPERPSLYT KVVHYRKWIK DTIVANP.
Source	Human Seminal Plasma.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	KLK3 protein filtered (0.4µm) and lyophilized in 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl pH 7.4. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**