

Recombinant Human KLK3 protein

Cat. No. KLK3-89H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK3 protein(25-261 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-261 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0, 150mM NaCl, 3% trehalose.
Molecular Mass	Approximately 26.1 kDa, a single non-glycosylated polypeptide chain containing 237 amino acids.
AASequence	IVGGWECEKH SQPWQVLVAS RGRAVCGGVL VHPQWVLTAH HCIRNKSIVL LGRHSLFHPE DTGQVFQVSH SFPHPLYDMS LLKNRFLRPG DDSSHDLMLL RLSEPAELTD AVKVMDLPTQ EPALGTTCTYA SGWGSIEPEE FLTPKKLQCV DLHVISNDVC AQVHPQKVTK FMLCAGRWTG GKSTCSGDSG GPLVCNGVLQ GITSWGSEPC ALPERPSLYT KVVHYRKWIK DTIVANP
Endotoxin	Less than 0.1 EU/µg of rHuPSA/Kallikrein-3 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months

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from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name [KLK3 kallikrein-related peptidase 3 \[Homo sapiens \]](#)

Official Symbol [KLK3](#)

Synonyms

KLK3; kallikrein-related peptidase 3; APS, kallikrein 3, (prostate specific antigen); prostate-specific antigen; PSA; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen; APS; hK3; KLK2A1;

Gene ID [354](#)

mRNA Refseq [NM_001030047](#)

Protein Refseq [NP_001025218](#)

MIM [176820](#)

UniProt ID [P07288](#)

SDS-PAGE

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