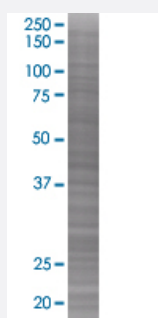


KLK3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000354-T01

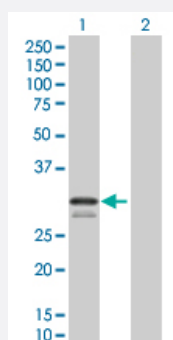
Size 100 uL

Applications



SDS-PAGE Gel

KLK3 transfected lysate



Western Blot

Lane 1: KLK3 transfected lysate (28.7 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-KLK3 full-length

Host Human

Theoretical MW (kDa) 28.7

Quality Control Testing Transient overexpression cell lysate was tested with Anti-KLK3 antibody ([H00000354-B01](#)) by Western Blots.
 SDS-PAGE Gel
 KLK3 transfected lysate
 Western Blot
 Lane 1: KLK3 transfected lysate (28.7 KDa).
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — KLK3

Entrez GeneID[354](#)**GeneBank Accession#**[NM_001648](#)**Protein Accession#**[NP_001639](#)**Gene Name**

KLK3

Gene Alias

APS, KLK2A1, PSA, hK3

Gene Description

kallikrein-related peptidase 3

Omim ID[176820](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease 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. 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. [provided by RefSeq]

Other Designations

P-30 antigen|gamma-seminoprotein|kallikrein 3, (prostate specific antigen)|prostate specific antigen|semenogelase|seminin

Pathway

- [Pathways in cancer](#)

- [Prostate cancer](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lymphatic Metastasis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)