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## Recombinant human Kallikrein 15/KLK15 protein

Catalog Number: ATGP2558

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

22-256aa

#### UniProt No.

O9H2R5

## **NCBI Accession No.**

NP 059979

#### **Alternative Names**

Kallikrein-15, kallikrein related peptidase 15, ACO protease, HSRNASPH, prostinogen

## PRODUCT SPECIFICATION

## **Molecular Weight**

28.2 kDa (258aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE, Denatured

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

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. KLK15 is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. In prostate cancer, it has increased expression, which indicates its possible use as a diagnostic or prognostic marker for prostate cancer. KLK15 contains multiple polyadenylation sites and alternative splicing results in multiple transcript variants encoding distinct isoforms. Recombinant human KLK15 protein, fused to



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His-tag at N-terminus, was expressed in E. coli.

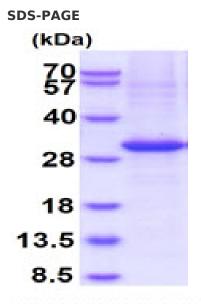
## **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSLLEGDEC APHSQPWQVA LYERGRFNCG ASLISPHWVL SAAHCQSRFM RVRLGEHNLR KRDGPEQLRT TSRVIPHPRY EARSHRNDIM LLRLVQPARL NPQVRPAVLP TRCPHPGEAC VVSGWGLVSH NEPGTAGSPR SQVSLPDTLH CANISIISDT SCDKSYPGRL TNTMVCAGAE GRGAESCEGD SGGPLVCGGI LQGIVSWGDV PCDNTTKPGV YTKVCHYLEW IRETMKRN

## **General References**

Yousef GM, Scorilas A, et al. (2001) J Biol Chem 276 (1): 53-61.

## **DATA**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.