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## Recombinant human Kallikrein 5/KLK5 protein

Catalog Number: ATGP1626

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

67-293aa

#### **UniProt No.**

O9Y337

#### **NCBI Accession No.**

NP 001070960.1

#### **Alternative Names**

Kallikrein-5, KLK5, KLKL2, SCTE, Kallikrein related peptidase 5, Kallikrein-like protein 2, Stratum corneum tryptic enzyme

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

27.8 kDa (252aa)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% glycerol

#### **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**

Kallikrein-5, also known as KLK5, belongs to the serine protease family of proteolytic enzymes. The human KLK gene family consists of 15 serine proteases. It is expressed in a variety of tissues including salivary gland, stomach, uterus, lung, thymus, prostate, colon, brain, thyroid, and trachea. The function of the other members of KLK gene family is currently unknown, but evidence suggests that many KLKs are implicated in carcinogenesis. Recombinant human KLK5 protein, fused to His-tag at N-terminus, was expressed in E. coli



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## **Amino acid Sequence**

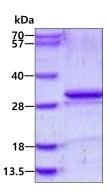
<MGSSHHHHHH SSGLVPRGSH MGSHM>IINGS DCDMHTQPWQ AALLLRPNQL YCGAVLVHPQ WLLTAAHCRK KVFRVRLGHY SLSPVYESGQ QMFQGVKSIP HPGYSHPGHS NDLMLIKLNR RIRPTKDVRP INVSSHCPSA GTKCLVSGWG TTKSPQVHFP KVLQCLNISV LSQKRCEDAY PRQIDDTMFC AGDKAGRDSC QGDSGGPVVC NGSLQGLVSW GDYPCARPNR PGVYTNLCKF TKWIQETIQA NS

## **General References**

Clements J., et al. (2001) Biol Chem. 382:5-14. Diamandis E P., et al. (2000) Trends Endocrinol Metab. 11:54-60.

## **DATA**

## **SDS-PAGE**



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

