

Recombinant human Kallikrein 2/KLK2 protein

Catalog Number: ATGP3399

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-261aa

UniProt No.

P20151

NCBI Accession No.

NP_005542

Alternative Names

Kallikrein related peptidase 2, Glandular kallikrein-1, hGK-1, Tissue kallikrein-2, Prostatic kallikrein 2

PRODUCT SPECIFICATION

Molecular Weight

27.2 kDa (246aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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

KLK2, also known as kallikerin-2 isoform1, is a secreted serine protease that is highly expressed in the human prostate gland. The enzyme is highly specific for cleavage after arginine residues. This protein is able to activate the urokinase-type plasminogen activator. It is inhibited by serpins such as protein C inhibitor, antichymotrypsin and plasminogen activator inhibitor. Recombinant human KLK2, fused to His-tag at C-terminus, was expressed in

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insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>IVGGWEC EKHSQPWQVA VYSHGWAHCG GVLVHPQWVL TAAHCLKKNS QVWLGRHNLF EPEDTGQRVP
VSHSFPHPY NMSLLKHQSL RPDEDSSHDL MLLRLSEPAK ITDVVKVLGL PTQEPALGTT CYASGWGSIE PEEFLRPRSL
QCVSLHLLSN DMCARAYSEK VTEFMLCAGL WTGGKDTCCG DSGGPLVCNG VLQGITSWGP EPCALPEKPA VYTKVVHYRK
WIKDTIAANP <HHHHHH>

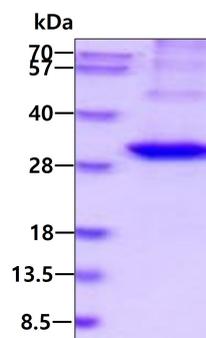
General References

Frenette G., et al. (1997) *Int J Cancer*. 71:897-899.

Mikolajczyk SD., et al. (1999) *Cancer Res*. 59:3927-3930.

DATA

SDS-PAGE



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