# **PRODUCT INFORMATION**

**Expression system** Baculovirus

**Domain** 19-250aa

**UniProt No.** Q9UBX7

NCBI Accession No. NP\_006844

## **Alternative Names**

Kallikrein-11 isoform 2, Kallikrein related peptidase 11, KLK11, hK11, Hippostasin, Serine protease 20, Trypsinlike protease, PRSS20, TLSP

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

26.7 kDa (241aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. 50mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl, 2mM CaCl2, 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

KLK11, also known as kallikrein-11 isoform 1, is belongs to the peptidases S1 family and Kallikrein subfamily. It is expressed in many tissues including cerebellum, prostate, salivary glands, stomach, lung, thymus, small intestine, spleen, liver, and uterus. These expression appear to be regulated by steroid hormones in the breast



carcinoma cell line BT-474. Based on it serum levels, this protein has been proposed that ovarian cancer cases can be distinguished from healthy controls, who display very low expression. Also, it that is activated by thermolysin is active against thioester substrates such as dichloroisocoumarin and aprotinin. Recombinant human KLK11, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### **Amino acid Sequence**

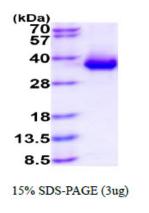
ADLETRIIKG FECKPHSQPW QAALFEKTRL LCGATLIAPR WLLTAAHCLK PRYIVHLGQH NLQKEEGCEQ TRTATESFPH PGFNNSLPNK DHRNDIMLVK MASPVSITWA VRPLTLSSRC VTAGTSCLIS GWGSTSSPQL RLPHTLRCAN ITIIEHQKCE NAYPGNITDT MVCASVQEGG KDSCQGDSGG PLVCNQSLQG IISWGQDPCA ITRKPGVYTK VCKYVDWIQE TMKNNHHHHH H

## **General References**

Mitsui S., et al, (2000) Biochem. Biophys. Res. Commun. 272:205-211. Yoshida S., et al, (1998) Biochim. Biophys. Acta 1399:225-228.

## DATA

### SDS-PAGE



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