

Recombinant human Kallikrein 11/KLK11 protein

Catalog Number: ATGP3832

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, Trypsin-like 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

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carcinoma cell line BT-474. Based on its 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 VTAGTSLIS GWGSTSSPQL RLPHTLRAN ITIIEHQKCE
NAYPGNITDT MVCASVQEGG KDSCQGDSSG PLVCNQSLQG IISWGQDPCA ITRKPGVYTK VCKYVDWIQE TMKNNHHHHH
H

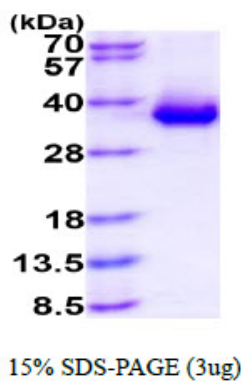
General References

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.