

Recombinant human Kallikrein 7/KLK7 protein

Catalog Number: ATGP3371

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-181aa

UniProt No.

P49862

NCBI Accession No.

NP_001193982

Alternative Names

Stratum corneum chymotryptic enzyme, Serine protease 6, SCCE, PRSS6, KLK7, Kallikrein-7 isoform 2, Kallikrein-7, Kallikrein related peptidase 7, HK7

PRODUCT SPECIFICATION

Molecular Weight

20.9 kDa (190aa)

Concentration

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

Formulation

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

Purity

> 95% 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

KLK7, as known as kallikrein-7 isoform 2, is a secreted protein which belongs to the peptidase S1 family and kallikrein subfamily. Members of the kallikrein family are involved in various malignancies such as prostate (PSA, KLK2, KLK15), ovarian (KLK4, KLK5, KLK6, KLK8, KLK10), and breast cancer (KLK10, KLK13, LKL14). This protein is

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expressed in the skin, a major physiological function of KLK7 is to regulate the desquamation process through proteolysis of the intercellular adhesive structure between corneocytes. Recombinant human KLK7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPMNEYTVH LGSDTLGD RR AQRKASKSF RHPGYSTQTH VNDLMLVKLN SQARLSSMVK KVR LPSRCEP PGTTC TVSGW
GTTTSPDVTF PSDLMCVDVK LISPQDCTKV YKDLLENSML CAGIPDSKKN ACNGDSGGPL VCRGTLQGLV SWGTFPCGQP
NDPGVYTQVC KFTKWINDTM KKHRHHHHHHH

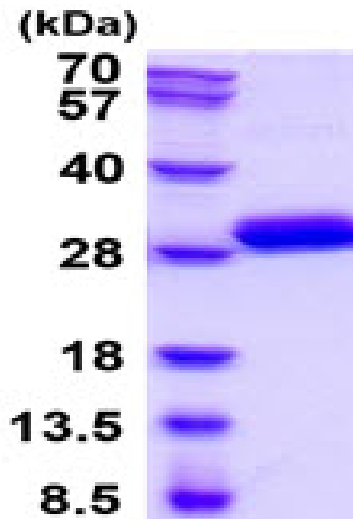
General References

Yu Y., et al. (2015) J. Biol. Chem. 290:17762-17775.

Tamir A., et al. (2014) J. Ovarian. Res. 7:109-124.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)