Recombinant human Kallikrein 5/KLK5 protein

Catalog Number: ATGP3501

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
67-293aa

UniProt No.
Q9Y337

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
26.2 kDa (236aa)

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
KLK5, also known as kallikrein-5, is one of the newly identified members of the kallikrein gene family, which is a subgroup of the serine protease enzyme family. It is highly expressed in skin, mammary gland and testis. KLK5 has been suggested to regulate cell shedding (desquamation) in conjunction with KLK7 and KLK14, given its

Recombinant human Kallikrein 5/KLK5 protein

Catalog Number: ATGP3501

ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. It is proposed that KLK5 regulates this process since it is able to self-activate in addition to activating KLK7 and KLK14. Recombinant human KLK5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

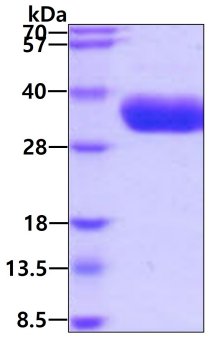
<ADL>IINGSDC DMHTQPWQAA LLLRPNQLYC GAVLVHPQWL LTAAHCRKKV FRVRLGHYSL SPVYESGQQM FQGVKSIPHP GYSHPGHSND LMLIKLNRRI RPTKDVRPIN VSSHCPSAGT KCLVSGWGTT KSPQVHFPKV LQCLNISVLS QKRCEDAYPR QIDDTMFCAG DKAGRDSCQG DSGGPVVCNG SLQGLVSWGD YPCARPNRPG VYTNLCKFTK WIQETIQANS <HHHHHH>

General References

Kim H., et al. (2001) Br J Cancer. 84:643-650.
Pampalakis G., et al. (2014) Oncotarget. 5:2390-2403.

DATA

SDS-PAGE



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