

Recombinant human Kallikrein 15/KLK15 protein

Catalog Number: ATGP3574

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

17-256aa

UniProt No.

Q9H2R5

NCBI Accession No.

NP_059979

Alternative Names

Kallikrein-15, kallikrein related peptidase 15, ACO protease, HSRNASPH, prostinogen

PRODUCT SPECIFICATION

Molecular Weight

27.4 kDa (249aa)

Concentration

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

Formulation

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

Purity

> 80% 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

KLK15, also known as kallikrein-15 isoform 4, is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein contains multiple polyadenylation sites and alternative splicing results in multiple transcript variants encoding distinct isoforms. Also, growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. In prostate

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cancer, it has increased expression, which indicates its possible use as a diagnostic or prognostic marker for prostate cancer. Recombinant human KLK15, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

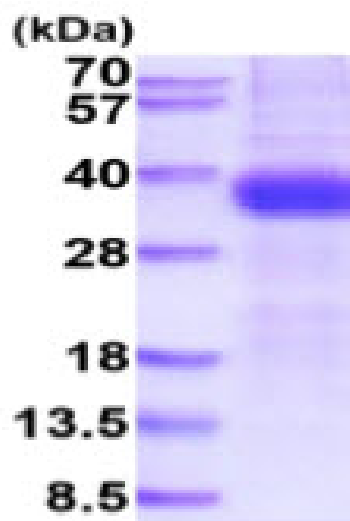
ADPQDGDKLL EGDECAPHSQ PWQVALYERG RFNCGASLIS PHWVLSAAHC QSRFMRVRLG EHNLRKRDGP EQLRTTSRVI
PHPRYEARSH RNDIMLLRLV QPARLNPQVR PAVLPTRCPH PGEACVVSGW GLVSHNEPGT AGSPRSQVSL PDLHCANIS
IISDTSCDKS YPGRLTNTMV CAGAEGRGAE SCEGDSGGPL VCGGILQGIV SWGDVPCDNT TKPGVYTKVC HYLEWIRETM
KRNHHHHHHH

General References

Mavridis K., et al, (2013) Prostate 73:1191-1201.
Yousef GM., et al, (2001) J. Biol. Chem. 276:53-61.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)