

Recombinant Human kallikrein-related peptidase 15, His-tagged

Cat. No. KLK15-461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview KLK15, 22-256aa, Human, His tag, E.coli

Species Human

Source E.coli

ProteinLength 22-256 a.a.

Description

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. KLK15 is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. In prostate cancer, it has increased expression, which indicates its possible use as a diagnostic or prognostic marker for prostate cancer. KLK15 contains multiple polyadenylation sites and alternative splicing results in multiple transcript variants encoding distinct isoforms. Recombinant human KLK15 protein, fused to His-tag at N-terminus, was expressed in E.coli .

Form Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Mass 28.2 kDa (258aa)

AA Sequence

MGSSHHHHHH SGLVPRGSH MGSLLGDEC APHSQPWQVA LYERGRFNCG
ASLISPHWVL SAAHCQSRFM RVRLGEHNLK KRDGPEQLRT TSRVIPHPRY

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EARSHRNDIM LLRLVQPARL NPQVRPAVLP TRCPHPGEAC VVSGWGLVSH
 NEPGTAGSPR SQVSLPDTLH CANISIISDT SCDKSYPGRL TNTMVCAGAE
 GRGAESCEGD SGGPLVCGGI LQGIVSWG DV PCDNTTKPGV YTKVCHYLEW
 IRETMKRN

Purity >90 % by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1.0 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [KLK15 kallikrein-related peptidase 15 \[Homo sapiens \]](#)

Official Symbol KLK15

Synonyms KLK15; kallikrein-related peptidase 15; kallikrein 15; kallikrein-15; ACO; HSRNASPH; prostinogen; ACO protease; kallikrein-like serine protease;

Gene ID [55554](#)

mRNA Refseq [NM_017509](#)

Protein Refseq [NP_059979](#)

MIM [610601](#)

UniProt ID [Q9H2R5](#)

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Chromosome Location	19q13.4
Function	catalytic activity; peptidase activity; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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