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 SSGLVPRGSH MGSLLEGDEC APHSQPWQVA LYERGRFNCG ASLISPHWVL SAAHCQSRFM RVRLGEHNLR KRDGPEQLRT TSRVIPHPRY

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EARSHRNDIM LLRLVQPARL NPQVRPAVLP TRCPHPGEAC VVSGWGLVSH NEPGTAGSPR SQVSLPDTLH CANISIISDT SCDKSYPGRL TNTMVCAGAE GRGAESCEGD SGGPLVCGGI LQGIVSWGDV 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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