

Recombinant Human KLK10, His-tagged

Cat. No. KLK10-171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLK10, 34-276aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	34-276aa
Description	KLK10, also known as Kallikrein-10, is one of the fifteen kallikrein subfamily members. 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. It is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Recombinant human KLK10 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	29.1 kDa(266aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSALLPQND TRLDPEAYGS PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW VLTAAHCGNK PLWARVGDDH LLLLQGEQLR RTTRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVLG PRVRALQLPY RCAQPGDQCQ VAGWGTTAAR RVKYNKGLTC SSITILSPKE CEVFYPGVVT NNMICAGLDR GQDPCQSDSG GPLVCDETLQ GILSWGVPYPC GSAQHPAVYT

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Purity	>85% 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	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	KLK10 kallikrein-related peptidase 10 [Homo sapiens]
Official Symbol	KLK10
Synonyms	KLK10; kallikrein-related peptidase 10; kallikrein 10 , PRSSL1; kallikrein-10; NES1; kallikrein 10; protease serine-like 1; protease, serine-like, 1; normal epithelial cell-specific 1; breast normal epithelial cell associated serine protease; PRSSL1;
Gene ID	5655
mRNA Refseq	NM_001077500
Protein Refseq	NP_001070968
MIM	602673
UniProt ID	O43240
Chromosome Location	19q13

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Function

peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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