

Recombinant Human KLK10, His-tagged

Cat. No. KLK10-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Kallikrein 10 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ala31-Asn276) of Human KLK10 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	31-276 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. This gene is one of the fifteen Kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein.
Form	Supplied as a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0
AA Sequence	AEAALLPQNDTRLDP EAYGAPCARGSQPWQVSLFNGLSFHCAGVLVDQSWVLTA HCGNKPLWAR VGDDHLLLLQGEQLRRTTRSVVHPKYHQGSGPILPRRTDEHDLML LKLARPVVPGRVRLQLPY RCAQPGDQCQVAGWGTTAARRVKYNKGLTCSSITIL SPKECEVFYPGVVTNNMICAGLDRGQDPC QSDSGGPLVCDLTLQGILSWGVPYPCG SAQHPAVYTQICKYMSWINKVIRSNVDHHHHHHH

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at Please minimize freeze-thaw cycles.

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

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