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## Product Data Sheet

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Product Name: KLK10 Human  
 Cat. No.: GP21848  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Kallikrein-Related Peptidase 10; KLK10; PRSSL1; NES1; Normal Epithelial Cell-Specific 1; Protease Serine-Like 1; Kallikrein 10; Breast Normal Epithelial Cell Associated Serine Protease; kallikrein-10; Protease; Serine-Like 1; EC 3.4.21.- ; EC 3.4.21; EC 3.4.21.74.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSALLPQND TRLDPEAYGS PCARGSQPWQ VSLFNGLSFH CAGVLVDQSW VLTAAHCGNK PLWARVGDDH LLLLQGEQLR RTRRSVVHPK YHQGSGPILP RRTDEHDLML LKLARPVVLG PRVRALQLPY RCAQPGDQCQ VAGWGTTAAR RVKYNKGLTC SSITILSPKE CEVFYPGVVT NNMICAGLDR GQDPCQSDSG GPLVCDLTLQ GILSWGVPYPC GSAQHPAVYT QICKYMSWIN KVIRSN.		
Formulation	The KLK10 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Kallikrein-10 (KLK10) is one of the 15 kallikrein subfamily members located in a cluster on chromosome 19. Kallikreins are a subgroup of serine proteases having various physiological functions. KLK10 is secreted and has a role in suppression of tumorigenesis in breast and prostate cancers.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

KLK10 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chain containing 266 amino acids (34-276) and having a molecular mass of 29.1kDa. KLK10 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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